

# Manufacturers Record

## Exponent of America



\$6.50 per Year.  
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### Some Remarkable Facts About the South's Religious Activities.

Number 3.

Since religion must be the foundation for the safety of all business as well as of the moral and spiritual advancement of every country, some figures compiled by Rev. J. G. Anderson, D. D., comparing the efficiency of such work in the South with that of other sections of the country are extremely interesting.

In an elaborate discussion of the subject covering many pages of the 1925 edition of the Blue Book of Southern Progress, just issued, Dr. Anderson shows that the leading Protestant denominations in the South—the figures of Catholic growth not being obtainable—increased in membership two and a half to three times greater than other sections. In these congregations 28 members in the South on the average accomplished as much in increased church membership as 74 members in the North and West. Measured by the money expended for church maintenance, it costs Northern Baptists \$833 to make a net gain of one member, and the Southern Baptists \$145. It costs Northern Methodists \$1966 for one net gain in membership. It costs Northern Presbyterians \$850 for one new member, and Southern Presbyterians \$408.

For benevolent work, which includes all expenditures outside of the maintenance of its individual activities, the Southern Presbyterians spent an average per member of \$15 on the maintenance of their own churches, as against \$13 given to benevolence. The Northern Presbyterian Church spent \$20 per member on its own maintenance for every \$5 it gave to outside benevolence, which, of course, includes missionary work.

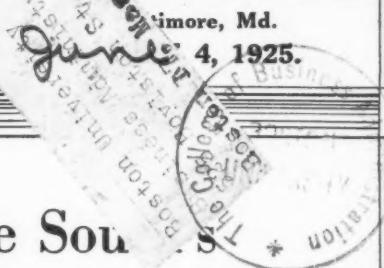
The Northern Baptists spent \$16 per member on their own church expenses, compared with \$5 on benevolent and missionary work; while the Southern Baptists expended \$11 per member on church maintenance, compared with \$5 spent for outside missionary and benevolent work. Northern Methodists spent \$17 for themselves, compared with \$5 for outside work. The figures for Southern Methodists not being available, no comparison can be made for that denomination.

Comparing the increase between the different denominations North and South, Dr. Anderson reports that the average efficiency, measured by results, of each Southern Methodist was more than five times the average of each Northern Methodist. It took 42 Northern Presbyterians to do what 26 Southern Presbyterians did in one year. It cost Southern Presbyterians \$408 for every net new member added, while it cost the Northern Presbyterians \$850, or more than twice as much. In this comparison in the matter of making a net gain of membership, 23 Southern Baptists did as much work on the average as 53 Northern Baptists.

Dr. Anderson's article is literally crammed full of interesting information on all of these points, showing that the religious work in the South is far more effective than in the North and West, and this he attributes largely to the influence of the great number of foreigners in the population of the North and West. Whatever the reason may be, his survey of the subject will prove extremely interesting to people of all sections.

The 1925 edition of the Blue Book of Southern Progress is the most valuable we have ever issued, and these few facts from Dr. Anderson's article are only indicative of thousands of facts of equal interest. Have you ordered your copy? Price 50 cents.

June 4, 1925.



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JUNE 4, 1925

# Manufacturers Record

*EXPOSER OF AMERICA*

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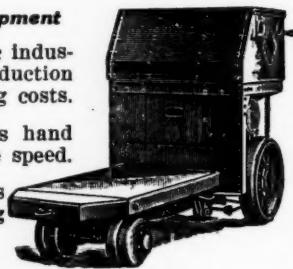
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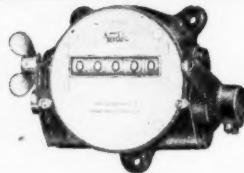
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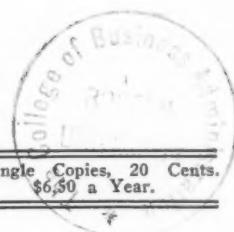
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Vol. LXXXVII No. 23  
Weekly

BALTIMORE, JUNE 4, 1925.

{ Single Copies, 20 Cents.  
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## South Leads Other Sections of Country in Domestic Exports—Texas Ranks First of All States.

FOR the first time in the history of Government trade reports the Bureau of Foreign and Domestic Commerce has attempted to compile export statistics showing the relative yearly standing of the different states as to the source of origin of the country's domestic export shipments. Formerly official trade figures gave only the port from which shipments were cleared. Inland producers, desirous of finding out what agricultural and manufactured goods came from their region, wanted the Commerce Department to adopt some other system. The outcome is this new compilation, which is based primarily on through bill of lading, and, therefore, in the case of some states reflects but a part of their total foreign trade, while for others goods produced elsewhere are included, but as a whole it shows what parts of our country are furnishing the bulk of our exports.

From the accompanying tabulation of the various state totals the MANUFACTURERS RECORD is able to show the striking position the South holds in the country's foreign trade. Not only this, but it shows the Southern state of Texas to be first in rank in domestic exports of all the states in the Union, not even excepting New York and other great industrial centers.

The combined value of domestic exports originating in the various Southern states in 1924 amounted to \$1,731,080,960, or over 38 per cent of the total of continental United States. Of all sections of the country the South stands the highest, with the value of its domestic exports \$477,058,703, or 38 per cent greater than the combined value of exports of the Middle Atlantic states of New York, New Jersey, Pennsylvania and Delaware, which are second on the list; nearly two and one-half times the domestic exports of the East North-Central states of Ohio, Indiana, Illinois, Michigan and Wisconsin, ranking third, and over four times the total domestic exports of the Pacific Coast states. New England, with exports of \$177,383,184, or about one-tenth of the South's exports, is next to the mountain states of the West, which rank last.

The value of exports originating in Texas in 1924 amounted to \$737,218,927, giving that state first place in the country's domestic export trade, followed by New York, with domestic exports valued at \$731,593,502, while Pennsylvania, the third in export value, shipped only \$293,299,153 worth of domestic merchandise to foreign countries. Texas' exports amounted to more than two and one-half times those of Pennsylvania, more than three times the exports of each of the states of Illinois, California, New Jersey and Louisiana, which rank fourth, fifth, sixth and seventh, respectively, in the value of exports originating within the state.

Seven states included in the tabulation reported in 1924

exports amounting to over \$222,000,000 in each case. They were Texas, with exports of \$737,218,927; New York, \$731,-

### EXPORTS BY STATES AND GEOGRAPHIC DIVISIONS OF ORIGINAL DOMESTIC SHIPMENTS FOR 1924.

States and geographic divisions	Rank in value	Total value
Alabama . . . . .	28	\$35,739,440
Arkansas . . . . .	25	38,899,816
District of Columbia . . . . .	47	555,008
Florida . . . . .	32	27,459,986
Georgia . . . . .	15	84,963,380
Kentucky . . . . .	27	35,986,200
Louisiana . . . . .	7	222,847,224
Maryland . . . . .	16	71,178,310
Mississippi . . . . .	19	55,647,497
Missouri . . . . .	21	48,142,937
North Carolina . . . . .	18	62,321,924
Ok'lahoma . . . . .	22	47,897,006
South Carolina . . . . .	31	29,886,769
Tennessee . . . . .	23	43,041,084
Texas . . . . .	1	737,218,927
Virginia . . . . .	9	150,198,225
West Virginia . . . . .	24	39,117,227
Total South . . . . .	1	\$1,731,080,960
Maine . . . . .	37	\$5,503,356
New Hampshire . . . . .	36	6,014,221
Vermont . . . . .	43	2,367,212
Massachusetts . . . . .	11	114,418,430
Rhode Island . . . . .	34	13,576,560
Connecticut . . . . .	29	35,503,405
New England . . . . .	6	\$177,383,184
New York . . . . .	2	\$731,593,502
New Jersey . . . . .	6	223,921,264
Pennsylvania . . . . .	3	293,299,153
Delaware . . . . .	39	5,208,338
Middle Atlantic . . . . .	2	\$1,254,022,257
Ohio . . . . .	10	\$133,559,362
Indiana . . . . .	20	55,585,910
Illinois . . . . .	4	239,314,270
Michigan . . . . .	8	177,876,654
Wisconsin . . . . .	14	89,290,895
East North Central . . . . .	3	\$695,627,091
Minnesota . . . . .	12	\$99,880,490
Iowa . . . . .	30	33,992,701
North Dakota . . . . .	44	2,199,103
South Dakota . . . . .	38	5,240,833
Nebraska . . . . .	33	19,628,594
Kansas . . . . .	26	36,882,053
West North Central . . . . .	5	\$197,833,774
Montana . . . . .	40	\$4,775,305
Idaho . . . . .	45	1,881,420
Wyoming . . . . .	41	4,636,612
Colorado . . . . .	42	2,766,822
New Mexico . . . . .	46	792,960
Arizona . . . . .	35	9,198,505
Utah . . . . .	48	550,443
Nevada . . . . .	49	233,413
Mountain . . . . .	7	\$24,835,540
Washington . . . . .	13	\$98,930,096
Oregon . . . . .	17	70,503,939
California . . . . .	5	234,684,210
Pacific . . . . .	4	\$404,118,245

Total United States . . . . . \*\$4,498,151,936

\*Includes exports from Porto Rico, \$9,479,436; Hawaii, \$2,491,080; and Alaska, \$1,280,369, the total amount for continental United States being \$4,484,901,051.

593,502; Pennsylvania, \$293,299,153; Illinois, \$239,314,270; California, \$234,684,210; New Jersey, \$223,921,264, and Louisiana, \$222,847,224. Michigan exported \$177,876,654 worth of merchandise; Virginia, \$150,198,225; Ohio, \$133,559,362, and Massachusetts, \$114,418,430. Minnesota, with export shipments valued at \$99,880,490, was just below the \$100,000,000 group of 11 states, while Nevada, with exports amounting to \$233,413, brought up the rear of the entire list. Twelve Southern states ranked twenty-fifth or better in exports.

The total domestic exports of the 48 states and the District of Columbia in 1924 amounted to \$4,484,901,051, while the grand total of exports of the United States and its island possessions amounted to \$4,498,151,936, which includes exports from Porto Rico of \$9,479,436; Hawaii, \$2,491,080, and Alaska, \$1,280,369.

#### AN IMPORTANT WORK FOR THE SOUTH.

**B**ARRON'S," the national financial weekly, published by Charles W. Barron of the Wall Street Journal, has requested Richard Woods Edmonds, New York correspondent of the MANUFACTURERS RECORD, to make a trip through the cotton-mill region of the South for a careful investigation of cotton-mill labor conditions for a series of articles on the subject in Barron's. These letters should prove exceptionally interesting, and in Barron's they will reach a very wide circulation among financial and business people in all parts of the country.

In his trip, which will cover a month or more, Mr. Edmonds will make a careful study in various parts of the Carolinas, Georgia and Alabama as to the actual conditions in cotton-mill labor, the character of the labor employed, the housing conditions provided by the mills, the welfare work conducted by the mills and the source of fresh labor supply for future expansion of the industry.

#### OUR DEFENSE DAY CELEBRATION.

**P**RESIDENT COOLIDGE has done a service of high patriotism in rejecting plans that had been formulated for making a Defense Day demonstration on the day when America saved Germany from the penalty deserved by subjecting the world to a devastating war.

To right-thinking Americans "Armistice Day" does and can mean nothing more than the celebration of the abandonment of the offensive that would have taught Germany a lesson that would have been as effectual as the lesson that Sargon taught the Hittites. Without explanation, President Coolidge merely expresses disapproval of the date proposed, and requests that a defense demonstration be arranged for our great day of Nationalistic Celebration, July Fourth, the day of the birth of our independent consciousness as a political entity. Moreover, it shortens the time within which to get ready. In a measure this suggested date will serve the further useful purpose of showing how ready we really are to make a great demonstration for defense. If the enemy were at our gates, we would not have months in which to prepare. We would need to mobilize at once, in the swift and masterly manner in which Joffre rose to the emergency and saved France by checking the onslaught of the Germans at the Marne.

If we cannot get ready in something over a month, we might as well cease to talk about "defense" until we have completely reorganized our War Department. If the War Department is within reasonable distance of being ready to meet an emergency, it should welcome this test of its competency to rally for such a demonstration on July Fourth. Incidentally, this act of the President shows that he has not overlooked the sentiment of Nationalism on which he was carried into the White House by so tremendous a majority of the electorate. Despite the propaganda to weaken us, we are still a self-respecting nation of patriotic Americans.

#### AGAIN THE SOUTH PAYS TRIBUTE TO A MEMBER OF THE COLORED RACE.

**A**BOUT a year ago the MANUFACTURERS RECORD told of the high tribute paid by the white people of Columbia, S. C., where stores and banks closed and all business was suspended during the funeral of an old colored man who, by his life and deeds, had won a place in the hearts of both the white and colored people of that section.

Last week the Macon (Ga.) Daily Telegraph gave a lengthy account of the death of a negress of that place, one of the old-fashioned "Mammy" type, who are fast passing away. Under the two-column heading, "Negress Was Laid to Rest Beside Her White Folks," the article stated:

"Last night the body of Anna Jordan, the 73-year-old negress, who had been for 35 years nurse and cook in the home of Mrs. Robert H. Smith, laid in a newly made, flower-covered grave in the Smith family lot in Rosehill Cemetery. Alongside are the graves of Mr. Smith and two of the Smith children. After the services, members of the Smith family recalled many instances of their long memory of 'Mammy.' Mrs. Smith said she was the confidant of herself and her children for more than two-score years. 'We told her everything. She knew everything about us; she lived in the house with us; she had no other home, and she loved no other place. She was one of us; she said she wanted to be buried from our home and to rest in our lot. It would have been terrible to have separated her in death.'"

The honors accorded this colored woman, who was faithful to her trust, recall other incidents in Macon, when some years ago the negro educator, Hudson, who was highly esteemed by white and negroes, was buried in Riverside Cemetery, and a man by the name of "Sergeant" Wilson, the negro janitor of the Macon Volunteers, who was buried with full military honors by the Macon Volunteers, who gave him a military funeral, with guards of honor and flags at half-mast.

These are but a few illustrations of how Southern people appreciate such negroes, their appreciation being of a deeper nature than shown by the people of any other section of the country.

#### THE PROPOSED MISSISSIPPI BRIDGE AT NEW ORLEANS.

**C**OURTENAY DE KALB, mining engineer and geologist, who knows Louisiana as few other people do, in the course of a personal letter to the MANUFACTURERS RECORD, referring to the proposed bridge across the Mississippi River at New Orleans, says:

"It would be of immense advantage to Louisiana if a bridge were built across the Mississippi at New Orleans. Rail transfer now is wholly by barge. That is slow; it imposes great limitation upon the economic handling of large quantities of freight. A train could cross the bridge in far less time than it takes now to load it on the barge at one landing. Moreover, it would enormously develop Louisiana agriculturally, because now auto traffic meets with such restriction through having to wait for a ferry and dawdle across to the opposite shore that people out for a ride take some other route.

"Now it so happens that the other routes, in a sense, lead nowhere. They go toward Lake Pontchartrain and the marshes. On the opposite side of the river, i. e., the left or west bank, is the great territory suited for agriculture that leads toward Franklin and Calcasieu, and northward toward Plaquemine and Alexandria. Accordingly, if people could freely use a bridge and get acquainted with those parts of the state, they would see opportunities of which now they remain ignorant. It would inculcate interest for development and help to make New Orleans reach out in the right way to finance and build upon the vast opportunities of the state."

### PRESIDENT COOLIDGE'S MEMORIAL DAY SPEECH.

PRESIDENT COOLIDGE'S Memorial Day speech will command more serious discussion than any speech made by any other President for some years. It was a new note strongly struck in behalf of states' rights. The men who fought under Lee and Jackson and other great Southern leaders between 1861 and 1865 in behalf of states' rights have in effect received a vindication for their belief in states' rights from a President who has sensed the whole situation and recognized the danger of the centralized trend of government which menaces the welfare of our nation.

The dominant issue which produced the Civil War was that of states' rights. Slavery was but a part. Slavery, thank God! is gone, and gone forever, but states' rights must live if this country is to be saved from becoming one of the most centralized, bureaucratic governments on earth. President Coolidge's ringing challenge to the country to consider the dangers of centralization and of depending upon the Federal Government for everything which individual states should do will hearten those who have seen the menace of the hour and give new courage to their views against centralized power.

It has become the custom of our country, and the South has fallen as badly as any other part of the land, to look to the Federal Government to do innumerable things which should be done by individual states. It is this spirit which has permitted the communistic element of the country to create an impression that there is need of an amendment to our Constitution on the Child Labor question. The same spirit is at work seeking to create a Department of Education, which, if once established, would very likely dominate the entire educational work of the country. Surely with his pronounced views against such tendencies President Coolidge cannot find any logical ground on which to stand in favor of the Child Labor Amendment, nor on the Department of Education. They would tend directly to intensify dependence upon the Federal Government for the things which state governments should do.

On the other hand, we cannot quite agree with President Coolidge in the matter of Federal aid in highway building. Many years ago, when it was first suggested, the MANUFACTURERS RECORD vigorously opposed the movement on the ground that it was contrary to the policy for which the Federal Government had been established. But later on the necessity for national highways as a means of national defense became so pronounced that we felt that co-operation on the part of the Federal Government for the building of permanent highways was just as necessary as the building of forts and the establishment of a navy and an army.

Unless the Federal Government would prepare, purely from a military standpoint, for the building of national or military highways throughout the land, we see no other way of accomplishing this much needed work, except through joint action by states and by the Federal Government. In the recent war good highways became of vital importance to national safety. The use of existing highways by the heavy trucks carrying military stores back and forth almost destroyed the roads which individual states had built and left most of them in wreck and ruin.

Good highways as a means for safeguarding our country

in time of war are just as essential as any other features of military preparedness, and unless the Federal Government is prepared to build these highways from East to West and North to South, with many side highways to connect the various parts of the country, the best system that could be devised is that by which the states and the Federal Government jointly carry out this work. It would be suicidal to the extreme, in these days when automobiles and motortrucks and motorcycles are as essential in war as rifles and cannons themselves, to depend upon the old bottomless mud roads of the past. Preparedness in time of peace for safety in the time of war demands the building of highways on a large scale for national defense. In this respect, therefore, we think President Coolidge was mistaken in using joint highway building between the Federal Government and state governments as an illustration of the unwise of co-operation between the two.

Nevertheless, his speech as a whole was one of exceptional importance, and the lesson which he sought to teach to the people of this country should be heeded to the utmost extent that is feasible.

### TRYING TO MAKE RUBBER PAY BRITISH DEBT TO UNITED STATES.

IT does seem as if the British were endeavoring to stretch the price of rubber to the breaking point in order to cover the British debt to the United States. Several weeks ago the MANUFACTURERS RECORD called attention to the fact that the British Government, in controlling the production and price of rubber, would tax the American consumers in the next few years more than enough to pay the total debt of England to the United States. This statement is now borne out by the report issued by Secretary Hoover, in which it is stated that American importers of raw rubber, which cost \$185,000,000 during 1924, will probably pay \$400,000,000 for 1925, and at least a large part of this prospective increase is attributed to the operation of a scheme for production restriction, worked out by the plantation interests through the British Colonial Office. The Government's special agents found that 69 per cent of the rubber plantations were in English colonies, with 29 per cent in Dutch possessions where a good deal of English capital is invested.

Crude rubber that sold as low as 17 cents a pound in 1924 has been selling around 60 to 70 cents a pound, while the world's visible stocks are disappearing because of the production restriction program adopted.

The United States is particularly concerned regarding the production and high prices of rubber, for it consumes 70 per cent of the world's output. Secretary Hoover urges that the United States should find means to stimulate competitive production in other tropical areas of the world. There have been investigations made as to the possibilities of rubber culture in Florida and Georgia, and Henry Ford is interested in developing a tract of rubber-growing land in Florida on a large scale.

Wild rubber trees flourish in the Everglades region of Florida, and who knows but in years to come the South may furnish not only the raw material for the fabric in the rubber tire but also the crude rubber itself?

While England thus restricts rubber production to our enormous disadvantage, it raises, through its commercial organizations and in other ways, an everlasting bane when the cotton growers of the South try to restrict their acreage in order to get a living price for their cotton. One can scarcely picture what would happen in England if this Government should officially restrict cotton production to the point that the price was increased fourfold, and held there by official action as in the case of rubber.

### OUR DIPLOMATIC RELATIONS WITH MEXICO.

WITH extraordinary innocence of all diplomatic common sense, George Tchitcherin the other day vaunted the success achieved by the Russian Soviets in obtaining recognition from Mexico by saying: "In America we confront a state of suspicion, with the exception of the neighbor of the United States, with which we have established diplomatic relations, and this gives us a convenient base for the development of our diplomatic relations with the New World."

In view of the known anxiety in Washington over conditions in Mexico, which are declared to be little better than those existing in Russia, it is interesting to see that General Calles has instantly repudiated the insinuations of Tchitcherin in a formal announcement that is so characteristically Mexican in spirit as to leave no doubt of his sincerity. In his official note he said: "The Mexican Government does not find itself disposed to allow any of the nations with which it maintains diplomatic relations to use it as an instrument for realizing international political combinations."

This recalls General Calles' statement in Washington, before his inauguration, in reply to his attitude toward the Monroe Doctrine, that Mexico was competent to settle her diplomatic questions with other Powers "by herself alone." A spirit of independence is well enough, and the United States could desire nothing better than to have Mexico develop into a strong and vigorous nation, not only self-respecting but respecting the rights of others. Nevertheless, history discloses how promptly Mexican sovereignty becomes trampled under foot when other nations deem the United States weakened by difficulties so as to be unable to extend the shelter of her protection. The episode of Maximilian is a sufficient answer to the ability of Mexico, or of any Latin-American Power, to stand alone and defend its own view of international right and justice.

The proper attitude between this country and the other republics of the Western Hemisphere is one of cordial brotherhood. As Eduardo Monteverde of Uruguay once said to a distinguished American, Dr. John D. Fitzgerald: "What our countries in South America need is Christ in our lives working out, not a Christ whom we accept and pigeonhole and forget, but a Christ who is working in us all the time." Again, it was the distinguished Chilean educator, José Ma. Gálvez, who declared: "You of the north and we of the south have much more in common than we think we have. For example, we all are hero worshipers. You of the north have your Washington and Lincoln. We of the south have our Bolívar, Sarmiento and San Martín. But I am afraid you of the north do not know as much as we wish you did of our Bolívar, Sarmiento and San Martín."

The first thing in the development of cordial brotherly relations is an understanding of each other, and without a knowledge of each other's history we cannot understand. Is there a university in the land that gives an outline of the history of Mexico as a required subject? There is a limit to the things that we may compass in a university course, but no student in any European country graduates without a knowledge of the elements of the history of its neighbors. Mexico is our neighbor, and it is not enough that they study our history, as they do, but we also should study theirs, and should know something of Hidalgo, Morelos, Victorio Guadalupe, Benito Juárez and the course of events that brought Porfirio Diaz into power. As a background to what General Calles said in Washington, it would be to the point for our people to know something of the "Pastry Cooks' War" in Mexico.

Rumors are running freely that diplomatic relations with Mexico are under severe tension at present, and that the visit of Ambassador Sheffield to this country possesses political significance. In Washington it is being said that Mexico

is industrially too much like Russia for the welfare of the vested interests of Americans in that country. With concern we hear of the efforts being made to drive the Mexican Congress to legalize a six-hour day for labor. We learn of expropriation of lands for repartition among the rural classes, which is something for which the Mexican people took up arms in revolt. As against this is the recent speech of General Calles at Monterey, in which he said he should carry out the law regarding the repartition of lands in "the most radical manner," but he added that he was sure the people would be disappointed in the result, for it would not and could not bring the economic benefit they anticipated. In the recent turmoil over the Roman Catholic Church in Mexico, General Calles is once more found insisting rigidly on the enforcement of the letter of the law. That is the style of the man. In such a spirit is great hope for cordial relations if our course is pursued diplomatically.

It has often been said, despite examples of high-handed proceedings, that the Mexicans are a more litigious nation than ourselves. They have recourse to the courts to an extent undreamed of in this country. Men who resort to the court believe in justice, and have respect for law. With a man at the helm who expresses this spirit in high degree it is possible that justice can be obtained if emphasis is laid on justice rather than on privilege. Throughout our relations with Mexico it behoves us to try to come to an understanding of their point of view as well as to appreciate our point of view. Surely we must not leave a fairer field for a rapprochement between Mexico and Japan, or Russia, than between Mexico and ourselves.

### ALREADY CONTRACTING FOR SPACE IN SOUTHERN EXPOSITION OF 1926.

THE Asheville Chamber of Commerce, which made a splendid exhibit at the Southern Exposition for western North Carolina, has already seen the benefit of it to such an extent that the manager, F. Roger Miller, has written to W. G. Sirrine, president of the Southern Exposition, as follows:

"Please enter our reservation for 2000 feet of exhibit space in the Southern Exposition to be held in Grand Central Palace in the fall of 1926.

"You will note that we are increasing our space to the extent of several hundred feet. This section will be used for a comprehensive display of the resources and products of western North Carolina.

"I would like to discuss with you as early as possible the location in order that we may begin our preparations well in advance."

The example thus set by one of the leading exhibitors at the Exposition of 1925 in getting ready to prepare for a greater exhibit in 1926 should stimulate every state and every community in the South to begin a similar campaign and do it at once. State legislatures now in session should promptly pass an appropriation for a state exhibit at the next Southern Exposition, and where the legislatures are not in session arrangements should be made by state officials and business men to see that the money is provided for a comprehensive state exhibit.

Let the Southern Exposition of 1926 surpass that of 1925 as far as that surpassed the nothingness of previous years. Let us really have an Exposition wholly in keeping with the vast resources and achievements of the South.

The MANUFACTURERS RECORD has repeated its offer of a \$5000 advertising prize for the state which, by the decision of a committee, makes the best exhibit in 1926, and we trust that every state will make as vigorous a campaign to win that prize as Alabama did in the last Exposition.

**RIGHT OF FEDERAL RESERVE BANKS TO  
EXTEND CREDIT ABROAD GRAVELY  
QUESTIONED.**

THE right of the Federal Reserve Bank of New York to enter into an arrangement to place \$200,000,000 in gold at the disposal of the Bank of England to aid that institution to maintain the gold standard of currency in Great Britain is seriously regarded and questioned by the Commercial and Financial Chronicle of New York by a leading editorial in its issue of May 23. It says "now that enough time has elapsed to permit consideration of the matter in a calm and dispassionate way, it ought most seriously to be discussed—not, of course, from the standpoint of the merit of the undertaking, as to which there is no question, but as to whether the Federal Reserve Bank has any right or power to enter into any such transaction."

The Chronicle states further that no one doubts "that J. P. Morgan & Co., who have simultaneously arranged to extend a credit of \$100,000,000 to the British Government, and who have won eminence and distinction in that line of undertaking, could, in conjunction with other bankers, have made full provision for the additional \$200,000,000 without any intervention on the part of the Federal Reserve Bank and thereby achieved the same happy result."

Referring to the serious criticism of the action of the bank that has been made by Oscar T. Crosby, Assistant Secretary of the Treasury in the Wilson Administration and one of the American financial advisers abroad during the war, who challenged the authority of the bank to act as it has done, the Chronicle says:

"We would go much further than Mr. Crosby seems inclined to go. We cannot persuade ourselves that the Federal Reserve Bank possesses any authority at all to engage in an undertaking to place \$200,000,000 gold at the disposal of the Bank of England, however meritorious such a proposition may be. \* \* \* But it seems to us that we would be recreant to our duty if we closed our eyes to doings and performances on the part of those high in authority for which no adequate sanction can be found in law and fraught with such serious consequences should they become a precedent.

"If the arrangement should by any possibility fall strictly within legal technicalities, it would yet have to be held as being utterly out of accord with the spirit of the law. It is certainly alien to the purpose of the Reserve Act. \* \* \*

The matter becomes of especial importance when we consider how the Reserve banks come into possession of their gold holdings. The gold comes to them in one of two ways. Either it constitutes the reserve of the member banks, in which case the Reserve banks are supposed to hold it intact as far as possible, putting out Reserve notes rather than the gold itself when the member banks want to borrow back any of their reserves, or the gold is obtained directly by the issuance of Reserve notes, the gold in that case constituting the collateral behind the notes. \* \* \* Bear well in mind the fact that the Federal Reserve banks, when they put out Federal Reserve notes, are putting out 'obligations of the United States,' and that the notes carry such legal-tender qualities that everyone is obliged to accept them.

"Is it to be supposed that Congress in passing the Reserve Act intended to endow the Reserve Bank with authority to acquire gold in this country, to be placed at the disposal of an outside nation, and simultaneously flood this country with Reserve notes in order to acquire the gold? Have we not here the *reductio ad absurdum*?

"And if now \$200,000,000 gold may be placed at the disposal

of Great Britain, the latter paying for it with some of her bills, what is to prevent the same thing being done next week or next month for Germany and the following week or month for France or for some of the numerous other foreign countries? And none of these suggestions can be regarded as untenable when it is recalled that a year ago the Federal Reserve Board gave its sanction to open market operations in German bills on the part of the Federal Reserve banks. And to the full extent that such foreign assistance should be created, Federal Reserve notes, 'obligations of the United States,' would be put afloat in increasing amounts. The idea that the framers of the Reserve Act intended anything of the kind is too preposterous to believe. \* \* \* If the authority exists, it must be deemed to have been conferred by inadvertence, and we for one believe it ought to be speedily taken away. The power to flood domestic circulation with 'obligations of the United States' for the purpose of extending aid abroad ought not to be vested in any body of men, even though they be gifted with omniscience and possess the virtue of saints. \* \* \* Neither the Federal Reserve banks alone, nor the Reserve banks in conjunction with the Reserve Board, should be vested with such extraordinary powers. We would go even further. Not even the Government itself, that is, the President and the Administration, should be vested with such huge and prodigious attributes of authority—to exercise unchecked control in the putting out of 'obligations of the United States'—to be used willy or nilly and at blind discretion.

"The affair goes to furnish one more reason why the Reserve banks should be deprived of their authority to issue Reserve notes against the acquisition of gold, instead of merely upon the deposit of commercial paper, and why they should be deprived of their other war amendments. Only moderate gold holdings are needed for their proper functioning, while the right to acquire all the gold in the country is a menace and certain to lead to abuse. There are over a billion Reserve notes in circulation today which would not be out if the Reserve banks functioned as they should, since the notes are not needed by trade. As a consequence, another rampant speculation has broken out on the Stock Exchange which will be attended by the same disastrous results as before."

It is a fact beyond question that the framers of the Federal Reserve Act did not intend that either the Federal Reserve Board or any Federal Reserve Bank should act as banker for a foreign institution, either the Bank of England or any other great national banking institution of like character in any other country, and there is no telling what trouble we may encounter as a result of this recent step of the Federal Reserve Bank of New York in extending credit to Great Britain itself, for that is practically what it amounts to. As the Chronicle suggests, the necessary credit should have been extended by private bankers.

**THE SOUTH'S "UNPLUMBED ECONOMIC POSSIBILITIES."**

CHARLES A. EATON, D. D., LL. D., publicist, and head of the Industrial Relations Department of the National Lamp Works of the General Electric Company, and now Congressman from New Jersey, who spoke on "Advertising As a Means to World Progress" at the Houston convention of the Associated Advertising Clubs of the World, writes the MANUFACTURERS RECORD:

"Every time I go South my amazement increases over the unplumbed economic possibilities of that section of our country. My visit to Houston was a revelation to me."

Elsewhere in this issue will be found a summary of Dr. Eaton's Houston address.

## COMMUNISM IN THE UNITED STATES ARMY.

THE Weekly News Letter of the Better America Federation for April 28 devotes a brief paragraph to the conviction by court-martial of two soldiers of the United States Army on a charge of communism. The comments of the Better America Federation are particularly interesting in the light of the Red May Day celebration the writer attended on May 1 at the Central Opera House in New York.

The News Letter says:

**"It is a matter of principle with the Communists never to admit that a member of their party can be guilty of crime. According to their belief, law itself is a crime against human rights. To break a law is, therefore, a virtue. Any conviction for violation of laws of society presents the spectacle of innocence being railroaded to jail by an unjust Government."**

The writer has never been accused of sympathy with communism, but we will admit that but for that illuminating experience on May 1 we would have been skeptical of the literal truth of these sentences. We would have felt that possibly the facts were stated a little too strongly. However, on last Friday evening we heard a speaker, in appealing to the assembled Communists for support, make a statement of the work of the party. Among other things he said:

"We have always backed the workers, individually and collectively, whatever their position may have been."

The Weekly News Letter, continuing the comment on the conviction, says:

"The comment of the radical press on the verdict in the court-martial of Schofield Barracks, Hawaii, where the two soldiers, Crouch and Trumbull, were sentenced to imprisonment, has resulted in the usual and expected protests from these groups. They declared 'No crime was committed.' 'Only a protest was made against a misrepresentation regarding Sovietism printed in the Honolulu Advertiser.' 'It was a frame-up whereby two innocent men were the victims of a brutal sentence.'

"What are the facts? The convicted men were members of the Communist party in the United States, representing the Communist Third Internationale. They admitted their sympathy with and belief in communism. They were secretly fomenting disaffection and organizing a Communist nucleus within the ranks of the United States Army. They were engaged in a systematic rebellion against the authority which they had sworn to uphold. They were striving to open the way for treasonable activities within the organization of our general defense.

"Conviction of such offenses has been punishable with death. The conviction was justified, and instead of being 'of appalling barbarity,' the discovery in time most likely saved many lives as a result of suppressing revolution."

At the Communist meeting already referred to, one of the speakers, a district organizer of the Young Workers' League, which is the children's communistic organization for spreading communism in the schools, mentioned the conviction of these soldiers. Said he:

"To me the conviction of Communists in the United States Army is a powerfully significant fact. It indicates that communism has entered the right arm of capitalism that it will inevitably spread, and that victory will come soon."

That statement was enthusiastically applauded.

It is literally true that communism means the complete negation of all our laws, the complete overthrow of all our institutions. The overthrow is to be effected by a bloody revolution. This is the plan and the deliberate purpose of the Communist leaders, though many of the rank and file of the party do not appreciate the fact because they are of too feeble intellect to follow out the teachings of their leaders to their logical conclusion. They are simply led like a lot of sheep. But the leadership of the organization know that this is true. They know what they are striving for, at least

as far as revolution. They cannot see beyond that, because if they could they themselves would recoil with horror. But they have no compunction in loudly claiming the protection of the Government they seek to overthrow—in invoking the aid of the laws guaranteeing free speech in order that they may teach sedition and prepare the way for the revolution they proclaim as the only way out.

A man who has been guilty of certain crimes against society is deprived of all protection of law. He is an "outlaw"—outside of the law. But a man who calls himself a Communist may deliberately plot against the Government, may do all in his power to overthrow it, and he is not only protected by the Government in his person and his property but he is permitted to preach the necessity for the revolution as the only means to social salvation. Aren't we somewhat inconsistent? Aren't we rather too tolerant? If we should banish to Communist Russia all Russians of Communist tendencies, we could scarcely be accused of un-Christian conduct.

## COME ON, FRIENDS!

JUDGE WILLARD J. BANYON, referee in bankruptcy, St. Joseph, Mich., in a letter to the MANUFACTURERS RECORD says:

"As well as being an active practitioner, I am actively interested in the largest manufacturing industry of Benton Harbor, being vice-president of the Benton Harbor Malleable Foundry Company, the Benton Harbor Auto Machine Works and secretary of the Benton Harbor Forging Company. At all three plants we take the MANUFACTURERS RECORD, and could not get along without it, especially at the Malleable Foundry, where we have employed nearly 700 men and have a million-dollar corporation."

We are glad to know that these three important industrial interests in Michigan could not get along without the MANUFACTURERS RECORD. There are a good many thousands of other manufacturers and business men in the North and West, and some in the South, who need the MANUFACTURERS RECORD just as much as these concerns do, but are not yet on the subscription list. We will still welcome them with open arms and repeat the old saying: "So long as the candle holds out to burn the vilest sinner may return." We do not class all non-subscribers as sinners but only as laggards by the wayside, not appreciating or utilizing the blessing which comes to them through a subscription to the MANUFACTURERS RECORD. We eagerly await their names upon our subscription list, and we extend to every present subscriber the rare privilege of serving his country and his generation by inducing his friends to subscribe.

## THE SNUBBING OF A GREAT ORGANIZATION.

CHARGES preferred against a Federal judge in the Virgin Islands by the American Civil Liberties Union were not, it appears from press reports, received by the White House with that meed of reverence, or even courtesy, due to Rev. John Haynes Holmes, the organization's spokesman; or Bishop Francis J. McConnell, another member and also an official of the Federal Council of the Churches of Christ in America, or eke of Rev. Harry F. Ward, another shining light in both those delectable associations. The charges, it was reported, were referred to the Navy Department and were not even acknowledged by the White House. We have been given to understand that the MANUFACTURERS RECORD is read in high places in the Government, and the MANUFACTURERS RECORD more than once has pictured the nature and personnel of the American Civil Liberties Union; yet modesty stays us from claiming credit.

## GOVERNOR LOWDEN OF ILLINOIS ON A NOVEL METHOD FOR FARM IMPROVEMENT.

**H**ON. FRANK O. LOWDEN of Oregon, Ill., who preferred concentrating and consecrating his work upon the betterment of farm conditions rather than accept a Vice-Presidential nomination in the last Republican Convention, writing to the MANUFACTURERS RECORD in regard to a recent article in this paper on the crop insurance experimental work that is now being done in South Carolina, says:

"Crop insurance is an idea which I think is likely to grow. It adds to the argument for more thorough organization of the growers, because, as this instance shows, it is made available only through organization of producers. Indeed, new evidences are coming to me every day of some new practice in agriculture for its benefit through co-operation among the farmers themselves.

"For instance, we now have in this state a co-operative farm management association, which is composed of something like 240 farmers living in the central part of the state. They have employed a farm-managing expert who is seeking to apply modern business methods to the production of farm products. They are able, by a small cost to themselves individually, in this way to have the services of a thoroughly competent business man. They are taught a simple system of bookkeeping which enables them, under the general direction of their business manager, to know exactly what the cost of production of the various products of their farms is. If they find they are producing at a loss, by an analysis of the various items that enter into the cost they can determine whether it is possible to so reduce the cost as to produce that particular thing with profit, or whether to give up that particular product in favor of some other which they can produce profitably. Indeed, the future progress of agriculture in this country seems to me to depend upon a more thorough organization among the farmers in order that they may put their business upon a modern business basis. This experiment is attracting a good deal of attention among the farm leaders."

The information which Governor Lowden gives in regard to the method adopted by some of the farmers in central Illinois is extremely interesting. It has often been claimed by some people that the future of farming would necessarily be through consolidation into large corporations of the small farms of the country in order to secure the ablest business management. We have never regarded this as wise, believing that the small, independent farmer, and not the agricultural corporation, would be the safeguard of the country in the years to come.

The method which has been adopted by these Illinois farmers as described by Governor Lowden opens up an opportunity for the farmers of any given section to secure the best of business management and judgment, and if generally adopted would give to the farming business of the country a larger degree of business management than it has ever had, except in the case of a few great farms run by men of affairs or by corporations.

We should like to see this experiment tried throughout the South. It ought not to be merely an experiment, for the plan seems so sound and wise that if good experts are secured the results should be most satisfactory.

### DO WE WANT A NATION OF MILKSOPS?

**L**. M. DRAKE, a well-known chemist, whose laboratory is located at Daytona, Fla., sends the MANUFACTURERS RECORD copy of a dispatch to members of the Florida Senate and House in which, referring to the Child Labor Amendment, he said:

"This Amendment is pernicious and would destroy the most precious gift in America—the initiative of our youth, which has no equal in the whole world."

The statement of Mr. Drake is entirely correct. If the

boys and girls of this country were put under the domination and tutelage of a Washington bureau dominated mostly by maiden ladies of uncertain age who have never had the opportunity to have or to train children, they would indeed lose their sense of initiative and self-reliance and independence, and we would create a nation of "milksops," looking always to somebody else for instruction as to what to do and how to do it. The initiative of the young people of this country must be its safeguard for all time to come. Unfortunately, we have not sought to cultivate that initiative as much as we should have done. It is a power within the boy and girl which needs to be developed in order that they may utilize this God-given talent for the benefit of themselves and of the world. The Child Labor Amendment, if adopted, would prove destructive of initiative and of all else that is good in the young people of the land.

### A MEANS TO WORLD PROGRESS.

**C**ONGRESSMAN CHARLES A. EATON, D. D., LL. D., of New Jersey sounded the keynote of the convention of the Associated Advertising Clubs of the World, which was held at Houston, May 9-14, in his opening address, "Advertising as a Means to World Progress." Discussing this convention theme, "so broad in scope, so lofty in moral conception, so dignified and suggestive a definition of the force of advertising," Dr. Eaton said, in part:

"I believe that the process which we call history is a process of progress and not of decay. And by progress I mean the growing participation of more and more people in more and more of the good things of life. If you consider only a brief period or a given section of society, you may find reasons for doubting that the world is making progress, but if you go back to the beginning and remember what man was when he got his first start, and then compare with what he is today, you must believe that he has made tremendous strides forward.

"Here in America we have achieved by the American methods of personal initiative and personal service the widest distribution of wealth ever achieved by any society since time began. We have been blessed by peculiarly helpful conditions. A great pioneer people, gathered from the most progressive element in the most progressive of the older nations, found themselves in possession of a vast, new continent, enormously rich in undeveloped resources. At the same time modern science placed in the hands of this people the instrument for developing these resources on a gigantic scale and distributing them by means of improved transportation to every home. So the general level of economic comfort has arisen in America to a point never before achieved in the history of the world. That is to say, the American people are further along at this moment toward complete participation in all the good things of life—political, intellectual, spiritual and economic—than any other society. This fact is no cause for self-gloryification, but rather it places upon us the responsibility of holding the position we have achieved, and helping, so far as lies within our power, the other societies of the world to reach the same level of general comfort and progress.

"Since world progress at the present moment takes the form of a conscious or unconscious effort on the part of masses of men in most of the civilized societies to achieve a more complete share in the economic good things of the world, our question is, can advertising, as an art and science, be used, and is it being used as a means to world progress? In his speech last year at the opening of the Advertising Clubs of the World convention in London, the Prince of Wales said that the general aim of the art and science of advertising is to provide throughout the world a more free exchange of commodities and a lower cost of distribution. In my judgment, that is a penetrating and worthy description of the objectives which the advertising leaders of the world have set for themselves. And it is self-evident that if you can accomplish the objective of providing throughout the world a more free exchange of commodities, and consequently a lower cost of distribution, you will have helped forward the great modern progressive movement looking to a more complete participation of all the people in the economic resources of the world.

"If anyone doubts that the world is making real progress,

let him measure the changes that have come over the art and science of advertising in the last generation. There is still much wastage, as was pointed out by Herbert Hoover and others, in advertising expenditures without adequate information upon which to base sales promotion and in high-pressure marketing in unprofitable areas, but sales promotion today, under the guidance of proper advertising, takes the standpoint of the buyer and looks upon distribution not as opposed to the processes of production but as a logical and necessary part thereof.

"Advertising as understood today is simply the bloom and fragrance which guides the honey bee to the sources of its life supply. It is a safe, simple and comparatively inexpensive method of bridging the gap between the producer and the consumer, greatly to the profit and convenience of both.

"Advertising is a necessity. Only a good article can be successfully advertised; hence truth in advertising, which is the pole star by which every successful advertising man must steer his way.

"Modern advertising gives publicity to a good thing. It shows men where and how they may at the least cost satisfy a legitimate need. It helps to create a legitimate need, which in turn helps to nourish trade, commerce and industry.

"Advertising must be true in form and spirit. It must be based upon sound morals. It must make a reasonable appeal, and for this reason must foundation itself upon a sound psychology. It must represent sound economics; that is, it must pay in return for what is costs. It must bring economic advantage to the advertisers and to the buyer.

"It must use art in its appeal to the eye, and if it remains true to itself, and acts in accordance with the laws of its own being, it must use good art, which will not degrade but will cultivate and inspire the best in men.

"In the hurly-burly of modern life advertising becomes a handmaiden of religion; a powerful ally in politics. Upon advertising conducted in the interest of progress the public press builds its prosperity. And without the press it would be impossible for a democracy long to continue with safety. We must have a free interchange of commodities.

"Advertising creates, stimulates and becomes the stabilizer of trade.

"It has been and is now one of the greatest agencies ever devised for the cultivation of personal and national thrift. Non-competitive industries like public utilities are finding advertising necessary in order that their enterprises may rest upon the intelligent understanding and good-will of the community they serve.

"I would, therefore, on this occasion venture to ask the advertising men of all nations to stand with invincible determination upon the proposition which forms the theme of this convention. Advertising is a supremely important means to world progress. It must continue to be so if progress continues; and while advertising men are using their resources of brain and imagination and skill for the selling of goods and commodities, they must at the same time wrap these material things in the covering of great, unifying and ennobling ideas. While we are selling things of a material kind, we must sell also the imperishable things of the spirit. Thus only can the art and science of advertising continue to be the beautiful handmaiden of human progress, leading the weary feet of all nations along convergent paths until by and by we shall reach the sunlit land of human understanding, complete co-operation, friendship and peace, which will mean the dawning of the Kingdom of God upon earth."

#### AMERICA SHOULD BE REPRESENTED AT MEXICO'S EXPOSITION.

**M**EXICO is to have an international exposition in November to celebrate the six hundredth anniversary of the founding of Mexico City. Headquarters of the Exposition are in Mexico City and offices will be established in New York, New Orleans, Los Angeles and Europe. The city has ceded the Central Park of Mexico, a superbly beautiful place, for the exposition, and of the 250,000 square feet available 100,000 square feet have been reserved for Mexican firms, 100,000 have been allotted to the United States and 50,000 square feet to Europe.

American firms should be represented at this International sample and product exhibit in Mexico City next fall.

#### A NEW DESERT RECLAMATION PLAN, OR THE MESQUITE TREE FOR PRODUCING CATTLE FEED.

**O**NE of the brilliant figures in the copper industry, though equally distinguished as a New York banker, is William Boyce Thompson. A product of the West, familiar from boyhood with the mines of Montana and other parts of the semi-arid region, he has realized as few have done that the true solution of the problem of agriculture in the great zone from Texas across to the Pacific lies in the adaptation of native plants, under intensive culture, rather than dependence upon irrigation. Irrigation can only redeem occasional valley-lines, the areas of which are insignificant compared with the vast stretches of higher, unirrigable land between. The irrigated districts pay splendidly for the cost of the reclamation projects, but nevertheless those mean only production from oases.

Colonel Thompson is devoting some of his accumulated wealth to the extremely practical end of establishing an experiment station expressly for adapting native plants. The experiment station, which soon must become a Mecca for all persons interested in the practical solution of the desert problem, is being equipped at Magma, near Superior, Ariz. This is within the range of that little appreciated tree, the mesquite. There is no native plant more deserving of careful study than this. Every part of it is valuable. The leaves are browsed upon by cattle, supplementing the scanty grass that sustains cattle raising in the arid region. They contain about the same amount of nourishment as alfalfa. The trunk is the chief source of firewood throughout the Southwest. The beans, which grow in pale-yellow clusters, three to eight inches long, contain large quantities of sugar, and are eaten greedily by cattle when within their reach. Even the seeds are relished by cattle when ground so as to be digestible, a thing that rarely is done, because the cattlemen never have paid serious attention to any addition to the natural subsistence obtainable on the range. The protein content of the seeds is very high.

In all the years that the West has been settled no attempts have been made to improve the mesquite by selection. Now that the cattle business is at low ebb, so that even the banks in the cattle districts are recognized as being heavily burdened with loans on cattle that are not safely balanced against other paper, feeding of the cattle in the semi-arid west in future will be necessary or cattle raising will dwindle in importance. Alfalfa costs too much. The wild grasses are more and more unreliable as a result of recurring drouths. The mesquite, if developed to the productivity of occasional individuals that are found, not only in the valleys but on the higher levels as well, would be a great boon. If Colonel Thompson works out the problem of a domesticated mesquite, he will have added tremendous wealth to the nation.

All around the Mediterranean a similar tree, known variously as algarrobo, St. John's bread and carob, is cultivated on the otherwise waste rocky ground, yielding so abundantly that the beans constitute an article of commerce, sustaining great quantities of cattle, and even serving as an economic raw material for the manufacture of proof alcohol. Attempts on a small scale are being made in Arizona to introduce this valuable tree as a further help to the cattlemen. It thrives well in California, where, however, its economic value has not been realized. It is there cultivated for ornamental purposes. A true mesquite is one of the substantial aids to cattle raising in the Hawaiian Islands, and this variety might be helpful, by grafting on the hardier stock of the Southwestern tree, in hastening the successful development of a mesquite that would become available in time to relieve the tension in the cattle industry.

# Views of Visitors and Exhibitors Concerning the Southern Exposition.

By RICHARD WOODS EDMONDS, New York Correspondent, MANUFACTURERS RECORD.

New York, May 30.

Views of the visitors to the Southern Exposition, and of some of the exhibitors, continue to come in. We have received several in the past week.

H. C. Ryding, vice-president of the Tennessee Coal, Iron & Railroad Co., writes:

"From what I have seen of the effect of the Southern Exposition I can say without hesitation that I feel it has been a decided success. Its value to the South is too great to be lost. The success of the Exposition warrants its being repeated annually and on a decidedly expanding scale."

Mr. Ryding speaks from the point of view of both exhibitor and visitor, for the company of which he is vice-president, the Tennessee Coal, Iron & Railroad Co., has one of the outstanding exhibits of the Exposition, while Mr. Ryding, attending the meeting of the American Iron and Steel Institute, heard the Exposition discussed by other members of the Institute who had seen it.

How did the Exposition impress New York business men and New York bankers? This is an important question.

Alfred E. Marling, vice-president of the New York Chamber of Commerce, writes in answer to this question:

"I had the pleasure of attending the Southern Exposition in the Grand Central Palace, and greatly enjoyed the occasion. The display of goods was interesting and impressive, as also were the pictures, charts, printed material, etc. The variety and extent of the South's growth must, I think, have impressed all those who attended the Exposition.

"In addition to the privilege of seeing the Exposition itself, I had two opportunities to meet a number of the Southern delegates at luncheon—one under the auspices of the Merchants Association at the Hotel Astor and the other under the auspices of the Chamber of Commerce of the state of New York in their building in Liberty street. These two occasions in every way were delightful. Such gatherings promote personal understanding and intimacy and cannot but have a helpful influence in extending business relations.

"For these reasons it seems to me that the Exposition was well worth while, and I hope those who undertook the work will feel that a repetition next year will be justified. Certainly we New Yorkers will gladly welcome our business friends from the South whenever they are willing to come here."

Along the same line is a letter from William L. DeBost, president of the Union Dime Savings Bank of New York, in the course of which he said:

"The Southern Exposition recently held in New York city, it seems to me, must be of great value, not only to the South but to the North as well. The South is a great country and has such tremendous future possibilities that it is almost staggering, and you gentlemen who are interested in this Exposition are the leaders who can and will bring about conditions which can scarcely be dreamed of today. \* \* \*

"I believe that the surface of the South has as yet scarcely been scratched, and still you are the leaders of the world in the cotton industry, coal mining and some others, and what you need now are men and capital. You already have the men, but can attract others, and you surely will attract capital if other centers, especially the financial centers, can

be educated about the South as you have started to do with this recent Exposition.

"I congratulate you and your fine president on your success in this first enterprise, and can assure you of a very warm welcome should you decide to come to New York with your Exposition during another year."

On a day during the second week of the Exposition W. G. McAdoo and J. G. White, president of the J. G. White Engineering Corporation, visited the Exposition together. Mr. McAdoo said to me that he was surprised and delighted with the Exposition. He considered it a magnificent effort, much better than any one would have believed possible, and a revelation to any thoughtful visitor of the great resources of the South. Mr. White said that he had been deeply impressed by the Exposition, and added that he had heard much discussion of it among business men, and that all comment had been most favorable. He considered it a most excellent venture, and a great success.

Not the least of the value of the Exposition consists in its success in selling the South to itself. Among prominent Southern business men who attended the Exposition and were deeply impressed by what they saw there of the resources of their native and their neighbor states was F. M. Jackson of Birmingham, who writes:

"A gentleman said to me today, 'Will you repeat the exhibit? Isn't it possible to keep the present exhibit here for a while longer?'

"This remark from this gentleman, and others of a similar nature, convinced me that the splendid showing made by the Southern states in the exhibition that you fostered, and that has been so successful, should be repeated by all means in order that our Northern friends may know just what we have in the way of natural resources, of manufactured products and in agriculture. We ought to have the exhibit yearly for the next five years at least."

While much of the benefit of the Exposition, as seen by exhibitors, cannot be measured for many weeks, or even months, some of them reported immediate results. C. E. Cole, president of the Dixie Metal Products Company of Birmingham, said to the writer on Friday of the first week of the Exposition: "We have already done enough business at this booth and in New York as a result of this exhibit to more than pay for our trip, and there is still a week to go. This doesn't include all the advertising and the future business that will result."

George F. Barnes, secretary of the Chamber of Commerce of Greenwood, S. C., writes:

"From my point of view in charge of our booth I am decidedly of the opinion that the Southern Exposition is a thing to be continued. We will not know for months yet just what its effect will be, and my judgment is based on experience with past advertising efforts and the inquiries and general reaction to this one.

"The Exposition is a form of advertising that, to be effective, must be repeated regularly. If that is done, and experiences of this one used to advantage in staging future Expositions, in selling the South not alone to the North but to the South itself, the results will be beyond computation.

"If you have something to sell, there is only one way to sell it, and that is to let possible buyers know about it. I do not know of any other form of advertising that would be so effective in informing Northern capitalists and business men of the business advantages of the great, undeveloped South.

ern resources as this Exposition, repeated annually and on a grander scale each year."

R. S. McElwee, Commissioner of Port Development of Charleston, S. C., is enthusiastic over the Exposition, and feels no doubt of its value. He said:

"If the spirit in which the first Southern Exposition was conceived and put across, and the spirit in which the South's premier showing of its resources has been received by the cosmopolitan crowds that have attended this showing are to be considered as factors in the success of the Exposition, then certainly the show has achieved its purpose.

"No section of the globe is more prolific in raw materials than is the South nor more thoroughly American in its precepts, and the time has come when the people of the North and East are beginning to realize that the Mason-Dixon line is no longer an insurmountable barrier between two diametrically opposed sections, but rather an imaginary threshold over which Northern and Eastern capitalists have long since passed to join with Southern associates in developing the resources of the nation's greatest potential industrial section.

"Probably no other section of the United States has so much to advertise as have the Southern states, and, with the possible exception of Florida, no other section has so consistently refrained from telling the world of its possibilities.

"The policy of the South, based on dignified and sound conservatism, has been to 'saw wood and say nothing,' but that period in its development has been reached where it can no longer afford to hide its light under the proverbial bushel.

"The Southern Exposition is the first concerted step of the South to place before its fellow-Americans its opportunities and possibilities. This is advertising on a large scale, and, like all advertising, to be effective it must be followed up again and again."

### Southern Pacific Lines Gratified at Results of Their Exhibit.

J. I. McGregor agricultural agent of the Southern Pacific Lines in Texas, makes the following statement:

"We have classified the results obtained by the Southern Pacific Lines exhibit at the Southern Exposition, New York, into three classes:

"First, a very satisfactory list of prospective settlers in our territory. This list has been obtained by personal contact with visitors to our booth at the Exposition, and is composed of representatives of several different nationalities. And more important than the actual list itself is the contact it has given us with different organizations—church, social and welfare—who are interested in helping their members who desire to get satisfactorily located on farms, and the South appeals to them. Therefore, we have been successful, due to the exhibit in establishing a base for future immigration work in New York, as well as the immediate results we hope to attain.

"Second, we have established connections with representatives of capital seeking satisfactory investment. Particularly is this true in the canning industry of representatives looking for locations for year-round plants. We have obtained several prospects who are investigating with a view of developing large citrus orchards of 500 acres or more, as well as several others interested in small-fruit development, and figs particularly. Of indirect benefit to us has been the number of inquiries of people interested in buying Texas and Louisiana food products on the New York market, which we have had on display.

"The third class of results that we have obtained, which is the class that will give us the most immediate return, is the list of vacation tourists who are going to take advantage of Southern Pacific transportation service this summer. It has been surprising to us the large number of people who do not know that the Southern Pacific operates steamships to New Orleans and Galveston, and the ignorance of rates from New York to Louisiana, Texas and the Pacific Coast points and return. We have been particularly gratified with the number of school teachers who contemplate making such vacation tours.

"All in all, our exhibit has been very satisfactory in every sense, and we sincerely appreciate the opportunity to show the resources along our lines in the South, as well as the extent of our transportation machine to New York, and we are likewise grateful for the very hospitable manner in which New York has received our exhibit."

### The South in Its True Colors.

H. M. Atkinson, chairman of the Board of the Georgia Railway & Power Co., said:

"Any comment in reference to the Southern Exposition should take note of the energetic and splendidly directed efforts of Richard H. Edmonds, editor of MANUFACTURERS RECORD, who, co-operating with William G. Sirrine, president of the Exposition, was a tremendous factor in the success of the enterprise.

"Unquestionably the Exposition was a great step toward presenting the South in its true colors to the people of the East. It was more than justified through the direct publicity it carried to the East and North—a convincing proof that the South actually is a land of industry and opportunity. The indirect benefits should be the speeding of the inevitable trend of industries to the South.

"In addition to impressing the East with the resources of the South, the Exposition did much to rekindle the enthusiasm of the South itself. Various states learned as never before what sister states are doing and hope to do. Although I have lived in Georgia for 38 years, I myself never realized the magnitude of the possibilities of our state and section as forcefully as when I visited the Exposition. Impetus was given to the desire of various states to excel in leadership of the South.

"The Georgia Railway & Power Co. was glad to have been able to participate in the Exposition. Hundreds of visitors at our booth commented favorably on the Exposition, and their sincere interest is evidenced in the fact that we now are getting numerous requests for additional information about the company and about Georgia.

"The South itself is steadily becoming educated to the fact that however attractive may be our natural resources, and however conducive to the location of industries our section may be, industries will never flock Southward until there is assurance of fair treatment of capital.

"We are progressing in this work of educating ourselves. Let's continue it with all the energy at our command. At the same time let us carry the story of the South to our neighbors of the East and North through such Expositions as the one that has just closed.

"If we educate ourselves to the necessity of fair treatment of capital, and if we carry the message of the South's resources to the very doorsteps of the industrialized East, we can reasonably hope for a harvest of new industries for our section."

### Alabama Proud of Its Achievements.

Harry T. Hartwell, Mayor of Mobile, Ala., writes the editor of the MANUFACTURERS RECORD as follows:

"I want to congratulate both you and your splendid journal in the great service you rendered the South by fostering and promoting this very successful event.

"It is distinctively pleasing to me to have first honors conferred upon my native state, and the people of its only seaport are very proud of the display which was furnished the Southern Exposition by the various cities of the state. We will continue to be with you to have the people of the North, East and West thoroughly appreciate and understand the potentialities of the South.

"Alabama is proud of the place it occupies in the minds of the nation, and before we complete our task we will take our place industrially, agriculturally, commercially and in a maritime way, where we are now only alphabetically."

### Tremendous Good from the Show.

Frank A. Pierson, secretary and treasurer, Chamber of Commerce, Columbia, S. C., writes:

"We want you to know that Columbia fully appreciates, not alone from its own standpoint but from that of the entire South, the support that you gave the Southern Exposition, both personally and through the MANUFACTURERS RECORD.

"We feel that without your publication behind the movement to put over the Exposition it could not have been the success that it was. Columbia was doubtful for a long time as to the feasibility of such an undertaking. Your "Challenge to the South" and other editorials and articles aided us in deciding to become a part of the show. We are glad that we had part in it, and feel that tremendous good will come to the South by having taken the South to the North."

# Editorial Comments on the Exposition.

Associated Press dispatches about the Southern Exposition have been published throughout the land giving an enormous amount of invaluable publicity to the South as a whole, worth in the aggregate many millions of dollars if regarded simply from the advertising or publicity viewpoint. Here are a few typical editorial comments:

[From the Age-Herald, Birmingham, Ala.]

## Now, to Follow It Up.

The success of the Southern Exposition in calling the national attention sharply and emphatically to Southern opportunity for enterprise and investment has surpassed expectations. Many events happening at about the same time or a little earlier have contributed to that success. Among such events have been the arranging of new southbound connections enabling railroads to gain convenient port outlet through Southern seaports. The Illinois Central and the Frisco are notably among such roads. Another such event was the visit of the high officials of the Steel Corporation to Birmingham and their evident and augmented regard for this district as a scene of greatly enlarged operations. Added to this is the southward trend of mills and factories, particularly cotton and paper mills. The winter visits of tourists to all Southern states, but particularly to Florida, in unprecedented numbers, have caused the South to be better known and to be heralded far and wide. Other factors of various kinds have had both a measurable and an inmeasurable influence in attracting favorable attention to the South.

And then came the Southern Exposition as graphic and eloquent testimonial and proof that the reports were not exaggerated, but on the contrary were easily capable of substantiation and amplification. Alabama is particularly gratified that her exhibit was of complete and representative nature. That it was so regarded by impartial judges is proved by the awarding to the Alabama exhibit the first place among all the exhibits. Speaking of this exhibit, the MANUFACTURERS RECORD, which offered the prize won by Alabama, says: "It will be impossible to do justice to the exhibits from the state and from the smaller units within the state of Alabama." Nevertheless, the MANUFACTURERS RECORD does proceed to such a generous and extended discussion of Alabama's offerings that Alabama readers cannot fail to be immensely gratified and non-Alabama readers to be immensely impressed with the story. The MANUFACTURERS RECORD's account is proof that Alabama is going to get far more advertising from the Exposition than is represented by the amount of the prize given by the MANUFACTURERS RECORD. Money would not buy the space and the encomiums which the MANUFACTURERS RECORD continually gives this state in its news columns.

As to the other publicity attendant upon the Exposition, it is not possible to measure the effect. All over the country the press has carried stories of the exhibits. But particularly in Eastern centers of capital and investment was interest aroused and publicity freely given. According to the MANUFACTURERS RECORD:

"The New York papers have given it more space than they have given to anything outside of politics for a long, long time. Press dispatches from New York to daily papers have told the story of what it is and of the influence which it is exerting. New York papers have given it big headlines and have devoted much space to it. New York people, men of affairs standing high in the business world, are studying it and giving it unstinted praise. It is an object-lesson of tremendous importance to the South. Already its influence for good is surpassing the anticipation of its most enthusiastic advocates."

Having made such a good impression, the next logical course is to make it fruitful of tangible and material result. Every merchant knows that his solicitations and representations concerning his goods often fail unless properly followed up. Alabama now needs to organize to follow up the impression made by the Southern Exposition, and to make whatever personal and special effort is necessary to transmute Eastern interest into active participation in Alabama development and enterprise. We have "sold" Alabama to the nation. The next step is to get the signature on the dotted line.

[From the News, Birmingham, Ala.]

## Alabama Wins Award for State with Best Exhibit at New York Exposition.

The \$5000 prize awarded by the MANUFACTURERS RECORD of Baltimore for the best exhibit at the Southern Exposition in New York has been awarded to Alabama. In making the award the committee declared that "because of the comprehensive form and multifold activities of that state in agriculture, manufactures, transportation, education, power development, public health, literary and artistic work" the award was given.

The heart of every Alabamian will swell with pride at this award on the merits. Alabamians knew their state was entitled to it, but to have their faith confirmed is to encourage them to renewed efforts in development, both in the material and the higher sense.

That Exposition is going to do a world of good. It has given thousands and thousands of people an entirely new conception of the South, and particularly of Alabama. It is going to result in desirable people coming here with their money and their ability, to cast their lots with us. It is going to give an added impetus to the prosperity and development of our state.

Georgia a long time ago arrogated to herself the title of "The Empire State of the South"—but that title is meaningless now beside the accolade which has been placed upon Alabama by the verdict of impartial judges. Alabama is first in the list of Southern states, as she is first in the alphabetical list of states of the Union.

We have the state which is far ahead of all the others in its wealth of natural resources. The surface has scarcely been touched, tremendous as the developments have been and amazing as has been the forward progress.

The next task is to educate our own people into a fuller appreciation of what they have, and to train our own youth to be able to serve in the coming expansion, not as hewers of wood and drawers of water but to take leading parts, and not be pushed aside to make way for those from a distance who have been educated so they are competent to do the necessary big and well-paid work.

Alabama has the natural resources also in the form of the youth of this state. While the ores and the clays and the timber and the agriculture are being developed, why not bend our energies to develop this, our most overwhelmingly valuable asset?

Credit for this participation of Alabama in the Southern Exposition in New York undoubtedly goes to Messrs. Theodore Swann, president of the Federal Phosphorus Company; George Gordon Crawford, president of the Tennessee Coal, Iron & Railroad Co.; Col. R. A. Mitchell, vice-president of the Alabama Power Company; Robert Jemison, Jr., capitalist and business man of Birmingham, and Donald Comer of the Avondale Mills and Comer Cotton Mill interests in Alabama, and L. Sevier, president of the Associated Industries of Alabama. At a time when it appeared as though the plan would fall through, when the forces of apathy had about won, these gentlemen got together and determined the thing should not fall through. They determined that Alabama should go there splendidly as was her right. They gave unstintingly of time, effort, money. And as a result of their unselfish effort Alabama has received advertising not possible to compute in dollars and has been helped immeasurably, not only away from the state but in strengthening the morale and determination of our home folks.

[From the Times, Chattanooga, Tenn.]

## Alabama on the Alert.

Congratulations go to the enterprising people of Alabama for staging the Southern exhibition in New York, an exhibit which won the \$5000 prize offered by the MANUFACTURERS RECORD. The "comprehensive form and multifold activities of that state in agriculture, manufactures, transportation, education, power development, public health, literary and artistic work" were assigned by the committee as reasons for giving the prize to Alabama. The award may not indicate that Alabama is more progressive in such matters than Tennessee, or that she has accomplished more, but it does show that the Governor and legislature of Alabama were public spirited and alert to take advantage of the "main chance" this Exposition offered for getting the state's products before the eyes of the world.

[From the News and Courier, Charleston, S. C.]

### Next Year's Exposition.

Incomplete as was the Southern Exposition which has just come to a close after lasting for two weeks at the Grand Central Palace in New York, it brought to the South an extraordinary amount of favorable publicity, interesting great numbers of people in this section and its potentialities. The New York Commercial, reviewing its results editorially, calls it "a successful exhibition," and says:

"It gave Northern, Eastern and Western people an impression of the South that entirely swept away all their preconceived ideas concerning that section. The surprising industrial development of the South, which has heretofore been considered as mostly agricultural, has been revealed in a very effective manner through the medium of the display at the Grand Central Palace.

"Those visitors who were prepared to discover that portion of the country as awakening to the possibilities for good in the development of the resources of that region were astonished to find how much has been accomplished already.

"The Exposition has made clear that going along with the realization of the material resources of the Southern states is a cultural development that takes into account education and health in a most comprehensive manner.

"The Anglo-Saxon character of the population of the Southern states, their freedom from labor-union domination, their tenacious adherence to that intangible yet vastly important manifestation called the American spirit, their pride in their states and their desire and will to accomplish along desirable lines all serve to differentiate them from much of the rest of the country—and not to their disadvantage.

"Those who are not of the South, and who have seen with surprise and deep interest what that portion of the country has to show, will feel like congratulating the promoters of the Exposition for the showing in all lines that the various states made.

"It is to be hoped that the Exposition may become an annual affair. In that manner alone can all the people of this nation come to understand how Dixie is metamorphosing itself after a most sensational fashion.

"It would seem that the day is at hand when the advice that Horace Greeley gave to the young man who desired to get on in the world to 'Go West!' may well be altered to, 'Go South, young man—go South!' Already the region is a land of great opportunity."

All the states of the South, all the leading cities of the South and all the great industries of the South should co-operate next year to make the second of these expositions truly representative. The cost is a bagatelle when the results are taken into account. The Exposition this year, while it has been pronounced on all sides a success, was nevertheless only a beginning, an experiment. It has shown what we can do if we will.

[From the Register, Mobile, Ala.]

### A Successful Exposition.

The Southern Exposition in New York, the first of its kind to be held in the East, is pronounced a success. There are two reasons for believing the Exposition has made a good impression. One is the large attendance and the interest shown in the various displays; the other is the request of Southern states that did not participate in the Exposition this year for another opportunity to exhibit their resources.

Richard H. Edmonds, editor of the MANUFACTURERS RECORD, states that plans are under way to repeat the Exposition next year, when a larger and more comprehensive display of Southern products will be made. An exposition every year is not advisable, but it is well worth while to hold a Southern Exposition in New York at regular intervals, to show the rest of the country the extent of the South's progress. The publicity the South will receive from such an enterprise will more than repay any expense that may be involved.

The Exposition now open, which will come to an end tomorrow, has shown that it is neither very troublesome nor very expensive to arrange creditable displays. Mobile, for example, has received much praise for its display, although work of arranging the exhibit was begun only a short while before the Exposition opened.

Southern states that were doubtful of the value of the undertaking, and therefore held back, are now convinced. Next year's Exposition should be on a much larger scale and should result in a more effective advertising of the South.

[From the Advertiser, Montgomery, Ala.]

### Alabama Wins.

Alabama has won the first prize for the Southern state showing the best exhibit at the Southern Exposition. The prize of \$5000 is to be paid in advertising by the MANUFACTURERS RECORD.

But the state will get more valuable advertising from the winning of the prize than the MANUFACTURERS RECORD or any other publication can give it. The eyes and attention of the chief financial and industrial figures of the United States were fixed on this notable display from the Southern states. The winner in such a competition concentrates such attention on itself and profits by whatever there may be in material value in such notice and attention. The states which entered such competition benefited materially from it, but Alabama, the winner, benefited more than any other entry. All of them received this advertising which they sought, but the advertising that Alabama received will continue.

It must be admitted that Alabama has been overly modest in the past in drawing attention to itself.

The award at New York is the signal for the live and progressive authorities in Alabama to change their methods. The state has won national and favorable notice. The business of our local chambers of commerce and other private and public organizations to advance the interests of Alabama would not allow it to get out of the spotlight. What Alabama has and what it offers to investors and workers should be kept constantly before the public. The real business of advertising Alabama has just begun and it has had an auspicious start. We have the start and we should never let the momentum slacken. The award of the prize means that Alabama has more to offer the investor and honest promoter than any other state in the South. Competent observers and investigators of our national welfare have united in the opinion that the great national development of America in the next 25 years will take place in the Southern states. Alabama has proved at the Southern Exposition that it has more to offer than any other Southern state and that it should properly lead in the coming development of the South. If an investor should consider the South as these experts say, the section of the great material development of the next 25 years, it is natural that Alabama should appeal to him most. The honor won at New York is only a milestone in the growth and development of Alabama, but it is an important milestone and it marks the beginning of a new era.

The entire state is under obligation to the committee of five business and industrial leaders whose knowledge of Alabama and whose personal connection and association with leading business and industrial enterprises of the state gave their ability and energy such a fine opportunity to present the resources and accomplishments of the state in such a moving and convincing way. They were late in receiving the call for service. All the work of assembling an impressive exhibit had to be done. The state does not keep such an exhibit standing and there was no appropriation ready for such an exhibit. It seemed for a while that it would be impossible to get such an exhibit together at the New York show, to say nothing of winning the prize. But it was fortunate for Alabama that the men of this committee enjoyed the confidence of the large business and industrial corporations, and the men in charge of these corporations knew that these men would not be associated with or responsible for any tawdry or cheap exhibit from Alabama. And they were given all the help and co-operation for which they might ask.

The Alabama exhibit did more than win the prize at the Southern Exposition. It made every Alabamian, past and present, who saw the exhibit proud that he was an Alabamian. And it told the story in concrete and succinct form to the outside world. The able committee which was responsible for the exhibit of Alabama should be remembered with gratitude and appreciation.

[From the Sentinel, Knoxville, Tenn.]

### South's Manufacturers.

The Southern Exposition in New York has proved a tremendous success by way of advertising the industrial progress of the South, although falling short in one particular of all that it might have been by reason of the absence of some of our states from the picture. The New York newspapers have given it more space than they have given to anything outside of politics for a long time, we are told, and the press dispatches carrying the story to the country have been full and appreciative of its news value in their treatment.

The Southern states that had exhibits will profit most from it, but the South as a whole share the benefits.

For the Exposition furnished ocular demonstration not only to Northerners but to Southerners themselves that the great stride the South has struck in the industrial race is no dream or figment of exaggeration but an actual and continuing fact. The pace increases almost incredibly, as shown by the 1923 census returns of manufactures, wherein an increase of 37.6 per cent is recorded over 1921.

[From the Morning Herald, Durham, N. C.]

### An Opportunity Wasted.

Many railroads, states and business concerns, as well as sections of the South, profited by the great Southern Exposition which was held in New York during the past couple weeks. Many other states, railroads, business concerns and sections did not profit by that great opportunity for showing the world the vast accomplishments and possibilities for further accomplishment contained in the portion of the country known as "The South." Those who profited were those who had vision to see the possibilities contained in that Exposition. Those who failed to profit were, as usual, those without vision.

Reports from the Exposition are unanimous that it was one of the greatest presentations of a sectional importance in the history of this great American country. It will serve to widen the stream of commerce, and influence a heavier flow of prosperity of a substantial nature into this blessed Southland. It was an undertaking initiated and carried out by men of sound vision, and the results are more than satisfactory. It was not a risk. The benefits to be derived had already been calculated to a mathematical nicety by those optimists of the South.

North Carolina, with probably more opportunity for benefit than any other state, failed to appreciate the presence of that opportunity except in a small way, and that appreciation was by a section of the western part of the state. Had it not been for the progressive spirit of Asheville, this state would have lost completely the benefits presented by the Exposition's golden opportunity. Writing about the various exhibits, Richard Woods Edmonds concludes his remarks on North Carolina with the following paragraph:

"The North Carolina exhibit was put on by the Chamber of Commerce of Asheville, and as such is highly creditable to that body. Nevertheless, and in spite of the fine impression made by the exhibit, it is wholly inadequate to represent the resources of the great state from which it comes. No attention is given to the magnificent highways being built throughout the state, although in 1924 North Carolina spent \$43,000,000 for highway construction. No suggestion is given of the progress that is being made in educational facilities of in agriculture. I say this without fear of being misunderstood by the alert and public-spirited men who got up this booth, for to ask the chamber of commerce of one small city to represent the entire state would be beyond all reason. If the state of North Carolina had acquitted itself as well as did the Chamber of Commerce of Asheville, it would have had, probably, the finest exhibit in the entire Exposition. That the state as a whole was not adequately represented is the misfortune of its citizens, and it is for them to see that in future expositions they are adequately represented."

The MANUFACTURERS RECORD has nothing but pity for those states and communities which overlooked the opportunity to show the world what they really have in the way of fact and hope in material things. The MANUFACTURERS RECORD says editorially:

"The Southern Exposition, somewhat incomplete as it is by reason of the absence of some states and of many railroads which should be represented there, has attracted tremendous attention. The New York papers have given it more space than they have given to anything outside of politics for a long, long time. Press dispatches from New York to daily papers have told the story of what it is and of the influence which it is exerting. New York papers have given it big headlines and have devoted much space to it. New York people, men of affairs standing high in the business world, are studying it and giving it unstinted praise. It is an object-lesson of tremendous importance to the South. Already its influence for good is surpassing the anticipations of its most enthusiastic advocates.

"If every state and every railroad which should have been represented—but which failed in duty to themselves and to the people by not being represented—were at the Exposition in keeping with those that are represented, this Exposition would be a marvel and something of a world wonder.

"We are inclined to sympathize with the shamefacedness

of the railroad managers who failed to utilize the opportunity, and with the states left out in the cold by reason of lack of enterprise or energy or something else on the part of their people. We can imagine the chagrin and mortification of many great railroad officials in the South as they realize how completely they fell down, and how the few railroads that have made exhibits are receiving the unstinted praise of the thousands of visitors to the Southern exhibition, and are at the same time receiving the encomiums of the people of the South for their broad-mindedness. We shall not blame the missing railroads; we shall only pity them and sympathize with them in their mortification.

"The pessimists who did not believe that the thing could be done, the states whose officials, whose legislative bodies and whose people were not sufficiently 'sold' on themselves to utilize the opportunity, missed one of the greatest chances ever given to them to herald themselves broadly throughout all the world. The states which are there will receive benefits without end. Already exhibitors, and this is true as to one of the best of the railroad exhibits, say that they received sufficient benefit even in the first week of the Exposition to more than recompense them for their entire outlay."

[From the Inquirer-Sun, Columbus, Ga.]

### Columbus at the Southern Exposition.

According to authentic reports the Southern Exposition in New York, which lasted for two weeks, attracted tremendous attention, and the exhibits made by Columbus and Fort Benning have shared generally in the interest manifested.

Richard Woods Edmonds, writing of the Exposition in the Baltimore MANUFACTURERS RECORD of May 21, reviews briefly the striking features of it, and he devotes more space to Columbus, Ga., than to any other Southern city save Mobile, Ala., which is given a line or two more than is given to Columbus. Some of the other cities to which he refers are Atlanta, Columbia, Charleston and Richmond. Of Columbus Mr. Edmonds says:

"Columbus industrialists believe they have a city of unique opportunities. Their local power company, the Columbus Electric & Power Co., is connected with the Southeastern super-power system, and in the Chattahoochee River they have a navigable waterway to tidewater. Other factors, such as abundant labor, contribute to the excellence of the locality for industrial development.

"Already there are 12 cotton mills in Columbus, all driven by hydro-electricity from the Chattahoochee, which in the Columbus section develops 52,000 horsepower, while the lines of the Columbus Electric & Power Co. serve 37 cotton mills with nearly a million spindles. The United States Department of Commerce reports that each of these spindles worked 53.9 per cent more during 1922 than did the spindles of the Massachusetts mills. The products of these busy spindles and the equally busy looms are on exhibition in the Columbus booth.

"Fort Benning, the largest military post in the world, including 98,000 acres, is at Columbus, and the large military forces there add considerably to the buying power of the city. A captain of artillery from the fort is in the booth and demonstrates his display of light artillery to an interested crowd."

J. Ralston Cargill, president of the Columbus Chamber of Commerce; H. Wayne Patterson of the Columbus Electric & Power Co., and Capt. Stanley G. Saulnier of Fort Benning were in charge of the Columbus and Benning exhibits at the Exposition.

Commenting editorially upon the Exposition, the MANUFACTURERS RECORD says "it is an object-lesson of tremendous importance to the South. Already (after the first week) its influence for good is surpassing the anticipation of its most enthusiastic advocates." The MANUFACTURERS RECORD points out that the New York papers have given this Exposition more space than they have given to anything outside of politics for a long, long time.

The MANUFACTURERS RECORD further says that "the pessimists who did not believe the thing could be done, the states whose officials, whose legislative bodies and whose people were not sufficiently 'sold' on themselves to utilize the opportunity, missed one of the greatest chances ever given to them to herald themselves broadly throughout all the world. The states which had representation will receive benefits without end. Already exhibitors, and this is true as to one of the best railroad exhibits, say they received sufficient benefit even in the first week of the Exposition to more than recompense them for their entire outlay."

[From the News, Birmingham, Ala.]

### The Main Task Is That of Selling Alabama to Its Own People First of All.

The victory of the Alabama exhibit at the Southern Exposition at New York has opened the eyes of the world to what the state has and what we are doing down here; the next step is to keep up the good work and build more firmly for the future, capitalizing the good showing that has been made.

Jack Thorington of Montgomery, business man, capitalist and ardent booster for Alabama in every line, has made a suggestion along this line that is worth the serious consideration of the state. He says:

"I believe the winning of the first prize by Alabama at the Southern Exposition is going to materially help to sell Alabama to the world. I find, however, that the main trouble with Alabama is that it has not been sold to its own people. I believe at the present time the water-powers of Alabama are its greatest resource, and that quicker returns can be made from them than from any other resource. I think it is time to direct sentiment toward a 'Seeing Alabama First' movement so as to make our people appreciate the natural resources of our state more fully and stimulate them to conserve the natural resources—especially the forests. It would be a wonderful thing if the people could be induced this summer to tour the state and see Cherokee Bluff, with its colossal water-power development: Montgomery, the Cradle of the Confederacy; the great Mitchell dam, near Verbena; the industrial development at Birmingham. See Muscle Shoals, Decatur, the University, Auburn, Selma and the Port of Mobile. Such persons making this trip to better inform themselves to become better Alabamians would be profoundly impressed with the natural resources of the state and its beautiful scenery. There are good roads to practically all these points, and the ride from Muscle Shoals to Tuscaloosa is magnificent."

Mr. Thorington has made a most valuable and constructive suggestion. Some of the automobile clubs of the state could very well take it upon themselves to work out such a tour embracing the major developments, and promote the movement of parties to make the trip this summer, at various times. It is amazing and rather disheartening the amount of ignorance right here at home as to what the state is doing and can do in the way of a development of its natural resources, of its historic points and of the gains that have been made in the utilization of a part of our natural wealth.

Adding to the suggestion of Mr. Thorington, it might be that the railroads touching points of major interest could be induced to give some especial rates for the benefit of that considerable portion of the people not yet owning cars, and thus induce a larger number to actually see what is going on.

It has always been a failing of people not to appreciate that which they have right at home and one which has been costly. For the Alabama people to know Alabama is to make them better citizens, with more faith in the destiny of their state.

And, incidentally, it would seem a tremendously fine field for potential service to instruct the school children of Alabama in the state resources, manufactures, the interdependence of the farmer, the manufacturer, the laborer and the capitalist and the teamwork that can be practiced in the development of the state. It is an astonishing thing that we go along, year after year, raising citizens here who, when they get through with school, probably know more about other regions than they do of their own state.

Mr. Thorington's suggestion ought to be agitated and acted upon. Chambers of commerce can well take it up and urge their members to know their own state before traipsing off and coming back here and raving of the glories of, say, Florida. When Alabamians really know Alabama we will move forward faster, and with better understanding.

[From the Age-Herald, Birmingham, Ala.]

### Another Alabama Victory.

Alabama has been declared winner of the exhibit competition at the Southern Exposition in New York and is to receive the \$5000 prize offered by the MANUFACTURERS RECORD for the best display of its products and resources. Winning of this prize is an honor of which the whole state may be proud, as it sets Alabama in the forefront of Southern states.

The special committee which took charge of making the state display, with Theodore Swann as chairman, is entitled not only to the congratulations of the people of Alabama, but

also their thanks for the creditable manner in which they have brought the state's raw materials and finished products to the attention of the Eastern investing public.

This victory is a conspicuous example of what can be done by team work, for it was an occasion upon which the committee in charge received co-operation from all the interests affected, with the result that assistance came from every direction to make the display truly representative. The Age-Herald takes pride in the part it played in arousing interest in the Exposition and in impressing the people of the state with the importance of the event. Scores of Alabama citizens made the trip to New York to aid by their personal presence, and all are convinced that the impression made upon Eastern Exposition visitors will have far-reaching influence upon Alabama's future.

[From the Banner, Nashville, Tenn.]

### Opportunity Lost.

There is a Southern Exposition on in New York city which is attracting much attention. There are exhibits from 14 states. It well illustrates the tremendous progress of the South during the half century that has gone.

Speaking of such progress, the New York World says editorially:

"Undoubtedly a greater diversification and maturity will come both in manufacturing and agriculture. The growth of the textile industry will itself bring fresh industries in its train. There will be finishing plants as well as weaving mills, then clothing factories and more machine shops and steel mills. All this will result in competition for wage-earners, stronger labor unions and more industrial legislation. As for agriculture, it is generally believed by experts that the greatest improvements of the next quarter-century will come not in the West but in the Old South. The movement for agricultural education, which has wrought such wonders in the Central states, is rapidly overspreading the South. It will drive out old and wasteful methods and bring an increased appreciation of cereals, fruit and meats."

"The South has reason to be proud of what it has accomplished in the last few decades. It should hasten to push on still greater undertakings, both social and economic."

It is unfortunate that Tennessee is not on exhibit as the state deserved to be. Our Governor in his vast "constructive program" overlooked the possibilities to the state of thus telling the world of what the state has. He was too much engrossed with local outlays of political import. He was too avid in his determination to purchase cut-over mountain land for a state park. He was too anxious to secure the aid of the Shelby county delegation to omit an appropriation of \$565,000 for a professional school there. He saw the greater need of more officials for his machine and higher salaries for all.

The money finally given the Memphis school, \$315,000, or even \$50,000 of that amount, could have been much more profitably expended on a state exhibit. There have been present at the Exposition since it opened the Governors of several states, who have been given opportunity to impress by their speeches upon the public mind Southern offerings and advantages. They have enlisted in the commendable work of selling the South. What they have said has been broadcast and is proving propaganda of most excellent character and value. The Governor of Tennessee has been conspicuous through his absence.

The Baltimore MANUFACTURERS RECORD early gave its heartiest sanction to the Exposition idea. It sensed its importance and it labored faithfully to secure exhibits from every Southern state.

Henry Grady, eloquent, forceful, inspiring, Southern born and nurtured, devoted to his section, but with a heart broad as humanity, began more than a quarter of a century ago to carry the South to the East and everywhere else. His great orations startled a dubious North and convinced it. Capital from other sections, at first static, became gradually ecstatic. It was but natural that it should first consider Grady's home city of Atlanta and his home state of Georgia. Further convinced, its vision extended to the entire South. And from such comprehension of vision has come our prosperity. The South's emergence was due to the merit of its offerings. Capital investments in this section have proven the wisdom of investors. From Texas, an empire in itself, to Maryland, development has come. Florida, a few years ago without pretensions, meagerly populated, bids fair by 1930 to rival Massachusetts in population and in wealth, and to eclipse it entirely in products. North Carolina, with its splendid system of highways, and a population that has been

inspired to ever-increasing efforts, is second only to Massachusetts in the manufacture of textiles. Norfolk, Va., 20 years ago little more than a village, is a city today. It is a port of more commerce than Boston. Birmingham, Memphis, New Orleans, the Texas group, Richmond, Atlanta, all have grown to almost metropolitan stature.

A late ruling of the Government Shipping Board has done away with preferential rates for Eastern shipping ports and it means much for our Southern commerce. We shall now be able to ship our goods, to deliver our products of coal, lumber, marble and agriculture through our own home ports.

Today the banking resources of the South approximate \$10,000,000,000 and its gross wealth is about four-fifths of the wealth of the United States a quarter of a century ago. It is all marvelous, very marvelous.

The importance of keeping in touch with the outside world should be especially apparent to Tennessee. We shall prosper in the degree of our commercial insistence as well as by our industrial offerings. The New York Exposition opportunity should not have been overlooked, but the fact that it was should stir our state to greater endeavor.

[From the News, Greenville, S. C.]

### The Green Southern Pastures.

South Carolinians who participated in the Southern Exposition report that the most pathetic feature of the Exposition was the eagerness with which thousands of ex-Southerners living in New York visited the Auditorium again and again to feast their eyes on Southern products and Southern people.

One of the chief benefits of the Exposition, thinks one gentleman, will be the return of many of these transplanted Southerners to their home states. They have heard much of the South's progress in recent years, but have hesitated ever relinquishing definite opportunities in New York and elsewhere in the East. The Exposition will be the straw to break their backs, he argues.

Living in New York, Pennsylvania and New Jersey are 36,000 people who were born in South Carolina. Taking their families into consideration, there are undoubtedly enough native South Carolinians in these three states to give the state an additional city larger than any one it now possesses. Over the country 305,000 natives of South Carolina have drifted. Other Southern states have been similarly affected, some of them worse. If the Southern Exposition does no more than attract many of these citizens back home, it will have accomplished a fine service. Selling the South to its own deserters is a by-product of the Exposition that nobody anticipated.

The story is told of a farmer who decided after long years upon a piece of land to sell his holdings. He went to town and instructed a real estate firm to market his property, and at the same time asked that a lookout be maintained for another desirable farm in which he might be interested. Several days later he read an alluring advertisement, mentioning an old farm with moss dropping from the trees and sparkling water bubbling up from beautiful springs. "That's the place I want," he told the real estate man. "Why that's your place we're advertising," the real estate man replied. This is a real estate story, but it fits in well here. The Southern Exposition has shown the South in its true light to its own people who have gone far to look for greener pastures. Here's hoping many of them come back.

[From the Times, Gadsden, Ala.]

### Alabama Wins Prize.

Alabama won the prize for making the best exhibit at the Southern Exposition in New York, and no doubt deserved it. The credit should go to the men who made it possible to put Alabama's industrial and agricultural resources on display—the heads of the various manufacturing corporations in the northern part of the state. Without their leadership and their money Alabama would not have been represented.

This state is the richest naturally in the Union and, given time and ample means, it could make the greatest display of resources. The New York prize was won by displays from only a few counties. In fact, very little of the tremendous wealth of the state was represented. But we imagine that the Northerners who saw the fractional display were struck with the marvelous things we have down here.

[From the Star, Anniston, Ala.]

### Alabama Scores Victory in the Southern Exposition.

The people of the East know more about Alabama now than they did before the Southern Exposition opened in New York. They know that in the South is a state that has many things they did not know any Southern state had. Those who have attended the Exposition, and many thousands have attended it, have seen Alabama's exhibits and have marveled that a Southern state could make such a showing. And their wonder has doubtless been increased by the announcement that the MANUFACTURERS RECORD prize of \$5000 has been awarded to Alabama for the best exhibit made in the Exposition.

The Exposition also has been a wonderful advertisement for Anniston. Mr. C. A. Hamilton, who represented the Anniston Chamber of Commerce at the Exposition, says he found great numbers of people interested in Anniston and the Anniston exhibits, and he thinks the showing made by this city was worth half a million dollars in favorable advertising.

In fact, the whole South has been tremendously benefited by the Exposition. It has been a revelation to many thousands of people, many of whom had but the crudest kind of idea of the South, its people and its progress.

Doubtless there are many in the North like the man who told Mr. Hamilton that he thought the South raised only cotton and lynched negroes for diversion. Mr. Hamilton was able to set the man right who made the remark, and the Exposition doubtless has made many others realize that their ideas of the South have been wholly wrong.

[From the Telegraph, Macon, Ga.]

### Misunderstood, Misrepresented.

The man who complains chronically that he is "not understood" is usually much better understood than he thinks. Generally he uses the plaint to cloak his own indisposition to work and his lack of ability to do the things to which he sets his hands. It is not, therefore, the manly thing to plead ordinarily. If, however, any one in the South has a right to say that we of this section have been misunderstood and misrepresented, it is Richard H. Edmonds, the editor of the MANUFACTURERS RECORD, because Mr. Edmonds has devoted his time and energy and his money to bring about a better understanding and a better representation for us.

Speaking before the members of the Chamber of Commerce of the state of New York, coincident with the Southern Exposition, which Mr. Edmonds fostered and encouraged, the editor said that the South is "the most misunderstood and most misrepresented country on the face of the earth." He did not intend that we should answer all our critics by employing the phrase; he had no thought of supplying a text from which we might depart in excusing all our shortcomings. He used it to press home the thought that, where in the past, we may have been misunderstood and misrepresented, we shall no longer be misunderstood and misrepresented, because we are, after 50 years, on the offensive in the nation.

Through ignorance, we have been misrepresented. Writers who never saw the South put "you-all" in the singular into the mouths of all their heroines and murder a dialect which only a few Southerners can transcribe to paper with any degree of faithfulness and accuracy; our degree of enlightenment has been vastly underrated, we have been called the Sahara of American literature and our state has been called "Darkest Georgia;" our attitude toward the negro has been depicted as one of sheer brutality, without any consideration of courtesy, humanity or decency; our politics has been called the worst in the world, even in a country where Tammany Hall has its habitat; even our poor helpless climate, which we pridefully advertise in the Northern papers, is maligned. We are, to the average citizen who never gets 30 miles away from his home, a vast cotton patch with Colonial homes here and there, mint juleps, pretty women with "soft Southern accents," fast horses, negroes whipped into submission and barren bookcases. Of course, that "warm Southern hospitality" and the "rebel yell" which we utter whenever Dixie is played must not be overlooked. Even they, poor things, are misrepresented.

Perhaps Mr. Edmonds said it—the full transcript of his speech was not carried—but if we have been misunderstood and misrepresented, it is because we have let some one else do the representing. We have been content to "cuss up and down the back" any of our trudgers and let it go at that; we have been content to smile tolerantly when the players of some traveling road show came through with atrocious South-

ern dialect written by a New York East Sider; we have been rather too lenient with the smart magazine writers who held us up to vivisection for the delectation of the country as the horrible example of what absence of culture would do. We have been altogether too content with being misrepresented and misunderstood.

The Southern Exposition is an indication of our new offensive attitude. We have marshaled the things we manufacture and the things we grow so that there may be no longer misrepresentation. The broader recognition of our literary figures is coming about and Southerners are more and more finding themselves in magazines of national circulation. On all sides there are encouraging symptoms that we are to drop the cloak of artificiality and superficiality and stand before the nation as we are. North Carolina and Florida have led the Renaissance of the South by stimulating a curiosity in the nation to learn what we really are like. We hear now of North Carolina's industrial progress where once we heard of her bad roads and her benighted mountain people; we hear now of Florida's real estate where her alligators and her sand and her heat were once the favorite topics of Northern conversation.

The way to overcome misunderstanding is to stimulate in the person who misunderstands a real curiosity to know the truth. The South can do that by carrying its message over the nation and over the world. Georgia has taken the initiative with her \$150,000 advertising fund.

[From the Journal, Atlanta, Ga.]

### What Comes Down My Creek.

By HARRY STILWELL EDWARDS.

Day by day it is becoming apparent that the Southern Exposition in New York was a stroke of genius on the part of the men who brought it into existence. The immensity of its demonstration and its advertising value has thrilled even the editor of that usually cold-blooded business journal, *Commerce and Finance*, and caused him to dig up startling statistics and comparisons. "Few people," says this authority, "know that the exports of the Southern states last year were only a fraction less than the total exports from the whole country in 1910, or that per capita production of hydroelectric energy in the South is greater than that of all the rest of the country put together, or that the standard of living of its wage-earners is the highest in the United States. Never before has the South as a unit advertised. It has suffered from reports of child labor in its mills, of illiteracy among its population, of poverty among its people, of backwardness in business methods, but a New South has been building without publicity. For the first time the South is showing the world, in the greatest city of America, evidences of the marvelous prosperity born of her climate, natural resources and the genius of her people."

The Southern Exposition has met with such success in attracting the attention of the American world that already plans are shaping to make it an annual function. The *Commerce and Finance* editor is impressed with the novelty of one section showing its wares in another, and thinks the novelty alone is an immense asset. He is generous enough to point out the ideal living and laboring conditions here and the fact that super-power has made it possible in the South for the worker to live under superior conditions in open villages in the country, with no slums near, and for the farmer to extract wealth from the soil with almost half the labor required in the North.

If there is anything of value in such advertising, the reaction will be seen in an increased demand for Southern farm lands. To this generation it is not known that something more than a hundred years ago there was awakened a sudden interest in Georgia lands that brought in a rush of people from Virginia and the Carolinas who bought up at small cost immense tracts of the best cotton acreage, much of which is today held by their descendants. Georgia's exhibit in the New York Exposition is highly praised on all sides, and the natural result of it and of such showings for the section as that quoted, and by the splendid work done along the same lines by the *MANUFACTURERS RECORD*, will be a demand for Georgia lands that may easily become phenomenal. Those sections of the state that make the best showing at home will reap the golden harvest.

Psychology cuts a large figure in every country real estate trade as every dealer knows. It is true that the visitor must be shown something more than scenery, but the visitor who comes in over faultless roads, and sees the prosperous farm, clean and well cultivated, with houses and barns painted, is more than half sold before he gets down to the productive

power of the soil. Without analyzing, he feels that the roads are a part of the product of the soil, that they are good because the lands adjoining justify them, and that the paint in sight really came out of the soil also. If beyond these he sees fields of growing corn and cotton, and peach orchards and growing pecans, in nine out of ten cases Georgia acquires a new citizen.

And Georgia needs these new agricultural citizens more than she needs anything else, because they come from conditions which have taught them the value of the owner's labor on the land to be cultivated. In the newcomers is to be found the state's compensation for the labor that has wandered away to enjoy a brief holiday from old conditions. To substitute many one and two horse white farmers, owning the lands they cultivate, should be the objective of state leaders. The expositions held in New York have immense possibilities in bringing labor and capital to our doors, but it is up to us to see that the prospect pleases after they arrive. Good roads and well-kept farms at home are just as important as expositions. Perhaps more so.

[From the News, Greenville, S. C.]

### Asserts Show Big Success.

J. Ben Granger, formerly of Greenville but now of Clinton, where he is a member of the Jacobs & Co. firm, passed through Greenville yesterday on his way back from the Southern Exposition at New York. Mr. Granger helped to "put over" the Jacobs display at the Exposition and was enthusiastic about the show.

The Exposition was as much of a marvel to Southerners putting on the exhibits as it was to anyone else, says Mr. Granger. It is impossible to imagine the variety and quality of articles manufactured in the South, he declares, until one has seen such a display.

Ten years from now the South will still be reaping the benefits of this magnificent demonstration, he thinks. Children came by the hundreds and carried away literature about the South to their homes, where parents read it. Business people, professors and others who have had hazy ideas about the South's progress learned in concrete terms what the South is doing. Former Southerners came with their mouths open wanting to go back home to Dixie.

Mr. Granger says next year's Exposition should be even better. He predicts that if the other Southern states rally behind the show as they are expected to do they will make next year's Exposition one that will set the whole nation to talking about the glorious opportunities of this section.

He hopes that at some later time the Exposition may be staged in the South, where Southern people themselves may learn what is being manufactured and developed around their doorsteps. "We don't know what we have in the South," he declares.

[From the Observer, Charlotte, N. C.]

### Future of the Exposition.

It was to have been expected that the Southern Exposition at New York would be repeated next year and on a larger scale, but the success of the initial venture has been of such marked a character that the perpetuity of the Exposition is not an improbability. The affair was hurriedly arranged; notice was short for preparation by the states in the South, and the exhibits assembled by 14 of the states was necessarily of a fragmentary kind, but of sufficient diversity to show the relative development of the South and its prospects. It has been determined that the show will be staged next year, and we may be sure on a much more comprehensive plan. The Exposition this year served to give the outside world merely a glimpse into the South in its present stage of development. New York manifestly did not think much of the affair at the time it was opened, but the people who went there came away talking about it, and before the week was out all New York was captured by it. The Exposition brought new ideas to the people of the changed conditions in the South, and the mind of many a capitalist was turned to thoughts of the fine possibilities of investment in 'the old land' of new promise. The South will be made to shortly feel the benefits flowing from the picture it made of itself in the Grand Central Palace. But the Southern states will do better next year. We may expect a specialized exhibit by Charlotte, for this city alone could make contribution that would add immensely to the interest of the show.

The *MANUFACTURERS RECORD* is rather inclined to chide the South because of the incompleteness of the general exhibit, but this incompleteness, as we have said, was due largely to

lack of time in which to assemble creditable exhibits. Many corporations and concerns were inclined to send no exhibit at all rather than to risk a half-way one. But, incomplete as it was, the Exposition attracted what the MANUFACTURERS RECORD properly classifies as "enormous" attention. The New York papers, as noted by the MANUFACTURERS RECORD, have given it more space than they have given to anything outside of politics for a long, long time. Press dispatches from New York to daily papers have told the story of what it is and of the influence which it is exerting. New York papers have given it big headlines and have devoted much space to it. New York people, men of affairs standing high in the business world, are studying it and giving it unstinted praise. It is an object-lesson of tremendous importance to the South. Already its influence for good is surpassing the anticipations of its most enthusiastic advocates.

In the current issue of the MANUFACTURERS RECORD Mr. Richard Woods Edmonds devotes many pages to matter descriptive of the Exposition. He represents that where the North Carolina exhibit fell short in volume, it made up in "quality." And he also incorporated the extent of the state's shortcoming. The North Carolina exhibit was put on by the Chamber of Commerce of Asheville, and, of course, it was creditable to that body. Nevertheless, says Mr. Edmonds, and in spite of the fine impression made by the exhibit, it is wholly inadequate to represent the resources of the great state from which it comes. No attention is given to the magnificent highways being built throughout the state, although in 1924 North Carolina spent \$43,000,000 for highway construction. No suggestion is given of the progress that is being made in educational facilities or in agriculture. Mr. Edmonds says this without fear of being misunderstood by the alert and public-spirited men who got up this booth, for to ask the chamber of commerce of one small city to represent the entire state would be beyond all reason. If the state of North Carolina had acquitted itself as well as did the Chamber of Commerce of Asheville, it would have had, probably, the finest exhibit in the entire Exposition. That the state as a whole was not adequately represented is the misfortune of its citizens, and it is for them to see that in future expositions they are adequately represented.

It will be more than a one-city exhibit next year.

### Appreciation of a Great Work.

Of making many books there is no end, it was said of old, but there can be only one "biggest book in the world." This bibliopegic giant of the present day, originated and compiled by Matthew Page Andrews of Baltimore, was a feature of the Southern Exposition in New York, and evidence of the interest which it evoked is given in letters to Mr. Andrews.

Says Mrs. John S. Wagner:

"One of the things that took me to the Southern Exposition in New York city was to see the largest book in the world, 'The Story of the South in the Building of the Republic,' written by yourself. I want to tell you that I consider this one exhibit worth my time to see, and it seems to me it should have a wonderful effect on the people of the North who may see it. To have condensed so much on a single page must have taken much of your time, and I hope you will receive your share of praise for the wonderful work. This exhibit should have a permanent place in some public building where it can always be seen."

"In bringing this Exposition right to the doors of the North, the South has demonstrated its ability in a better way than through any other means I know of. The North needs the South as much as the South needs the North, and it seems to me as if both sections were working more in unison than ever before, and perhaps some day there will be no North or South, but all one—just our country."

"The entire Exposition was wonderful."

Another typical letter to Mr. Andrews read:

"Yale University Press.

"New Haven, Conn., May 21.

"Dear Mr. Andrews:

"\* \* \* I feel that if some individual or group of individuals in the South would endow your book and thus underwrite the heavy expense of exhibiting it throughout the country, this would result in the rendering of a service of national value. I feel, also, that it is far more important for your book to be shown in the East and West, where it would

enable everyone seeing it to understand better the part played by the South in shaping the destiny of America, than would be the case if you concentrated on Southern showings, which, of course, would be following the line of least resistance and would probably represent your most feasible plan, unless you can raise a substantial endowment fund to cover the expense of a nation-wide exhibition of the book.

"Let me add that in creating The Biggest Book in the World you have done something which places the South in your debt forever, and I am very proud of the fact that we were able to co-operate with you in selecting and obtaining the illustrations.

"ARTHUR H. BROOK."

These views, from different angles, of this great work give some idea of the great value of Mr. Andrews' contribution to the cause of the South in its introduction to the world through the Exposition.

### Additional Features of North Carolina Exhibit.

Among the numerous features of the Southern Exposition on which the MANUFACTURERS RECORD could touch only lightly, because of the wealth of material and the limitations of space, were some displays from the central section of North Carolina, to which Roger Miller of Asheville calls attention.

For one thing there was a large collection of walnut furniture manufactured at Hazelwood by the Augusta Manufacturing Company, featuring a bedroom suite in French walnut finish. Also, there was an exhibit of leather and leather products by the Hans Rees Tannery of Asheville, this including an elephant hide which required three years to tan and a walrus hide. Native steer hides were shown in sections, with charts explaining the manner in which each portion of hide is utilized in the manufacture of leather products. A large exhibit of pottery, featuring products of four plants in the vicinity of Asheville, in a great variety of styles and color, also was shown. This display attracted much attention and many invitations were received by the exhibitors from art committees to show selected pieces at other exhibitions in New York.

Photographic displays showing the highway system, leading industries of western North Carolina, water and power resources, hotels and resort centers, agriculture and scenic attractions also included charts and drawings prepared by geological and industrial engineers.

One booth was occupied by the Biltmore Wheathearts Company of Asheville, displaying the foot products which were originated by and are manufactured by this concern. Another booth was filled with a display of Indian arts and crafts, exhibited by the Bryson City Chamber of Commerce. This was a novel feature and attracted attention because few people knew of the existence of the Indiana reservation in western Carolina.

A large display of native shrubs, including laurel, rhododendron, azalea, spruce and hemlock, was provided by the Black Mountain Chamber of Commerce. The rhododendron bloomed during the Exposition and was especially attractive. At the end of the show the entire collection was presented to the New York Park Commission.

Other exhibits in the central section included the State Geological Survey, showing minerals; Champion Fibre Company, paper products; Regal Marble Company, marble; A. M. Field Company and Charles E. Henderson, showing large displays of North Carolina gems and semi-precious stones; Allanstand Cottage industries, Appalachian School fireside industries and Biltmore industries, showing homespun woven fabrics, baskets and wood crafts. The Treasury Chest of Asheville exhibited pottery and wood crafts.

The entire western North Carolina section, covering 1600 feet, was without any charge to exhibitors participating.

## Wise Advice to the American People.

From Speech of James F. Pershing, Before the Government Club, Hotel Astor, New York City.

Do you know there are over 500 departments, boards, commissions, bureaus, investigating and dictatorial bodies in Washington, with approximately 40,000 employes, most of whom are confusing conditions more, multiplying expenses and increasing the ever-growing burdens of taxation, and that similar conditions prevail in all our state government?

Are you familiar with statistics indicating the per cent of people who live in cities and the decrease of those who live in the country?

Do you know that in 1880 70 per cent of our population lived on farms and 30 per cent in our cities, and that now about 70 per cent live in cities and only about 30 per cent on farms?

Do you know the increase of tenants and the decrease of home owners in cities and on farms?

Do you know the alarming drift of our young people into the ranks of criminals?

Have you noticed the tendency for class legislation by our lawmaking bodies and special blocs seeking political preference?

Have you noticed the disregard for personal property rights by our higher courts?

We hear some people talk about a new era, a new world, a new way, and a new day, but the makers of these phrases are gradually awakening to the fact that their new era is tempestuous, that their new world is weary with isms, that their new way is uncertain, and that their new day grows darker and darker.

Why not realize that we are living in the same old world today, and that it must be saved and improved in the same old way?

Why not realize that this can only be done by adhering to the eternal principles and guarding the fundamental institutions that history, experience and common sense teach us so clearly are the milestones of the highway of progress?

This is a time for individual examination to preserve and perpetuate these United States of America as a republic.

Let us all ask ourselves these questions:

Am I putting the spirit of service into industry?

Am I encouraging better training for citizenship in the schools and among men?

Is my home a center for character building?

Do I insist that public officials shall be faithful to their oath?

Do I support representative government?

Do I oppose all attempts to supplant it with direct government?

Do I insist on my individual and property rights?

Do I exercise individual freedom in industry and aid others in doing so by supporting the open shop?

Do I oppose class consciousness, class agitation and class legislation?

Do I promote the principles of individual responsibility for individual conduct?

Do I reverence law and respect lawful authority?

Do I favor unselfish nationalism and oppose internationalism?

Do I want wars to cease and killing men to stop by having America to always be prepared, but having her stay out of all foreign entanglements until every other nation has defined and established their boundary lines and agreed to stop stealing territory from each other, go to work and pay their honest debts?

Does my loyalty to the flag include a constant endeavor

to understand its meaning, its symbolic grandeur, and am I determined that the red flag shall never be unfurled in this republic?

## Child Labor in North Carolina.

Supplemented by a newspaper article in which E. F. Carter, as executive officer of the North Carolina Child Welfare Commission, describes "child-labor" conditions in that state. Stephen C. Bragaw, attorney and counsellor-at-law, Washington, N. C., sends the following letter to the MANUFACTURERS RECORD:

"I am greatly interested in, and in sympathy with, your continued disclosure of the viciousness of this attempted assumption by fanatics of the God-given authority and responsibility of parents.

"Should the Government finally be induced to transfer this authority and responsibility to a bureau at Washington, it is not difficult to imagine the next generation wondering the reason for the Commandment, 'Honor thy father and thy mother.'

"For more than a year I have 'listened in' on radio programs. I have heard much propaganda for 'child labor legislation,' much jazz music, including repeated renditions of 'Red-Hot Mommer,' but only once has the music of 'Home, Sweet Home' drifted in, and 'Mother o' Mine' but twice."

The inferences, very neatly expressed, in Mr. Bragaw's letter are obvious.

In the newspaper article mentioned Mr. Carter refutes in detail and by truthful statistics allegations that the Child Labor law of North Carolina is more honored in the breach than in the observance, and thus summarizes conditions in that state:

"What are the actual facts about child employment in this state at the present time? Children 14 and 15 years of age, 4691. A decrease of 33 per cent is shown in the actual employment of children as compared with the number reported by the United States census in 1920. Every child under 14 years of age has been removed from the manufacturing and mechanical industries of North Carolina. A decrease of 1514 children, or 25 per cent fewer, were certificated for employment in the textile mills in 1924. Of the children arriving at 14 and 15 years of age, only 3.5 per cent were found actually employed. Other major industries in the state showed a decrease in child employment.

"The statement that children are working who should be in school is a malicious design of words to deceive the public mind and leave the impression that they are under 14 years of age, which is not true. The surveys of a large number of the industrial counties in the Piedmont section this year prove conclusively that the industrial plants are using strict methods to prevent the violation of the child labor regulations and that fewer irregularities are found in all places of business than were reported last year.

"The last biennial reports of the Labor Department as well as the surveys of the Commission show that for every child under 16 years of age employed in tobacco factories, there are 116 adults, and instead of increasing, the number of children has materially decreased.

"Investigations of 1925 indicate that less than one-half of the violations, under 14 years, previously reported, will be found. The irregularities and violations, however, of 14 and 15 year old children indicate that about one-third less than previously reported. This would suggest that the public is becoming educated and acquainted with the regulations and requirements of child labor and that they are abiding by its provisions."

## Takes Over Utilities in Kentucky.

The Kentucky-Tennessee Light & Power Co., Bowling Green, Ky., advises the MANUFACTURERS RECORD that it has acquired by purchase utilities at Hardinsburg, Hawesville, Lewisport and Cloverport, all in Kentucky, including an ice plant at Cloverport and a water plant at Hawesville. The company states that it will soon take over the electric properties at Irvington and Brandenburg, with a water-power plant at the latter town. All the properties will be interconnected by transmission lines.

# Columbia: The "City—Unlimited," State Capital of South Carolina.

By JACK WOOTEN, The State, Columbia, S. C.

Columbia, the capital of South Carolina, is being designated and heralded as the "City—Unlimited," so styled because of its industrial and business expansion, its educational and railroad facilities and its geographical location.

Columbia has forgotten the ravages of the Civil War, and has turned its attention to things much more progressive than historical memories of misunderstanding and desolation. Progress was slow during the period of Reconstruction. Then there came an awakening, and with it a determination for constructive and industrial developments. It was not until the Twentieth Century, however, that the city began to make rapid strides, and it was not until 10 years ago that

to the markets of the world and with power available to turn the wheel of industries. It was a city with a wholesome climate, a Southern atmosphere that attracts the attention of rich and poor alike.

So Columbia began to grow. There were some who tried to discourage the dreams and plans of the municipal builders—radical conservatives who, through their reactionary selfishness and lack of foresight, had allowed the power that flowed at their finger tips go to waste for fear that some utility concern might monopolize the benefits from random water. There were others who were perfectly satisfied to plow the ox of life in the same old rut, without a thought to



COLUMBIA'S MAIN STREET, LOOKING NORTH FROM THE CAPITOL.

the people of Columbia commenced to realize the immense possibilities that lay within their city walls.

It was civic boosters and firm believers in the assets of the Palmetto State capital that brought that city out of a rut of temporary expedience and converted its powerful facilities into prosperous realities. To them the South Carolina capital was something more than a capital city. It was a "City—Unlimited"—rich in natural resources, close in point of time

what some new furrows of prosperity might mean to the succeeding generation. Even today there are a select few who take peculiar delight in criticising the era of progressiveness. But these are scattered, and their knocks and kicks go practically unnoticed.

The World War played a prominent part in bringing Columbia to the front, for with the construction of Camp Jackson came a period of success. At one time there were

over 60,000 soldiers encamped four miles from the city. Some of these came back after serving overseas and, recognizing the possibilities of the city and section, took off their coats, invested their money and began the work of upbuilding. But the greatest blessing the camp brought to Columbia was a desire for more capital and power.

The population in 1880 was 10,036. By 1920 the United States census showed 37,524 people living within the city, and today there are 50,000 inhabitants, with 25,000 persons residing in the adjoining suburbs. Plans are now being rapidly completed for extension of the city's limits.

Columbia has the necessary power for turning the wheels of industry. The General Gas & Electric Co. of New York, which operates public utilities through the W. S. Barstow Management Association, owns the gas and electric companies of the city. That concern has established headquarters here to direct all of the General Gas & Electric interests in the Southeast. The Broad River Power Company, incorporated in Columbia with a capital of \$20,000,000, has created a super-power zone in central South Carolina, with this city as the base.

Since the Broad River Power project was started at Parr Shoals last October the company has been expanding with the purchase

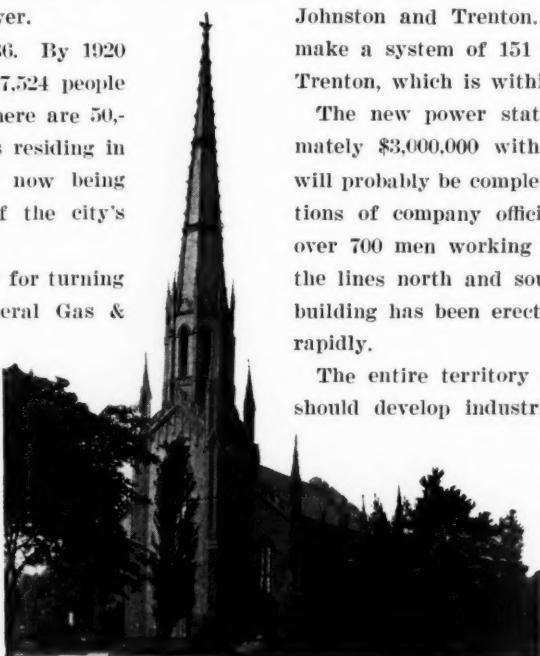
of plants and distribution systems of other towns. High-tension transmission lines are being built from Columbia to Parr Shoals and from Parr Shoals to Spartanburg. These lines are also to be extended south of Columbia, where property has been acquired at Batesburg, Lexington, Johnston and Trenton. The completion of lines south will make a system of 151 miles in extent from Spartanburg to Trenton, which is within about 20 miles of Augusta, Ga.

The new power station at Parr Shoals, costing approximately \$3,000,000 with the high-tension transmission lines, will probably be completed by September, according to predictions of company officials. There is at present a force of over 700 men working on the construction of the plant and the lines north and south. Much of the steel work for the building has been erected and the brick work is progressing rapidly.

The entire territory of the Broad River Power Company should develop industrially, and there will be many small towns and communities never before having electric lighting and power, which will be benefited by these facilities.

The machinery is already being delivered on the ground at Parr Shoals and is being set up. The giant turbine and generator from the Westinghouse Company was shipped some weeks ago.

The first unit of the Parr Shoals plant will have a generating capacity of 17,000 horsepower, and it is so built that two more units of 27,000 horsepower each can be added,



A  
Group  
of  
Columbia  
Churches—  
Beautiful  
and  
Historic



making the ultimate capacity 71,000 horsepower. At present the hydro-electric plant at Parr Shoals has a capacity of 20,000 horsepower.

The Barstow interests own various power sites in the neighborhood of Columbia on the Broad, Saluda and Congaree rivers, to be held in readiness to care for future expansion. Rivers in South Carolina still unharnessed are capable of supplying approximately 500,000 horsepower.

Some time ago W. S. Barstow was quoted in New York as saying: "Columbia, S. C., is one of the most progressive cities in the United States and an important industrial center. Situated in the center of one of the most important cotton-growing states in the country, with a favorable, equable climate and an abundance of excellent water the city is ideally located from an industrial point of view."

Industrial development necessitates adequate railroad facilities. Columbia has this means of accomplishment, as



PALMETTO NATIONAL BANK BUILDING.

well as a paved highway system that connects it with many points of vantage. Eleven separate lines of railway radiate in all directions. Three of the four operating railroads have trunk lines that pass through the city—Seaboard Air Line, Southern Railway and Atlantic Coast Line. The fourth is an intrastate line, the Columbia, Newberry & Laurens. Every highway is paved to the county line, there joining either sand-clay or hard-surfaced roads. Any point in South Caro-

lina can be reached in four and a half hours by motor.

Over 200,000 freight cars are loaded or unloaded at Columbia every year. Two direct lines communicate with each of the South Atlantic seaports. This gives shippers the advantage of swift moving freight, and rail and water rates. Columbia also accommodates a large passenger business.



NATIONAL LOAN & EXCHANGE BANK.

There are 60 passenger trains daily, and through accommodations are provided to all points in the North, East and middle West.

Suitable industrial sites are located from a mile to three miles from the business center of the city, on from one to three railroads. An industrial belt line, now being surveyed, will furnish practically eight miles of sites, none of which will be over three miles from the heart of the business section. The proposed belt line will consist of a double power circuit built so as to prevent any interruptions in service, a switching terminal connecting four railroads and a boulevard for truck hauls. This combination of transportation facilities will make rapid movement of freight possible by eliminating the necessity of going through city traffic to reach from one part of the belt to another.

In a bill passed by Congress, 1192 acres of land, located on the old Camp Jackson site, has been conveyed to the trus-

tees of Columbia Cantonment Lands, named by the Chamber of Commerce. This land, which is four miles from the city, will be used for industrial, agricultural and educational



STATE HOSPITAL—OLDEST IN THE UNITED STATES.

purposes. Like other local industrial sites, it has city water, sewerage, telephone and telegraph.

Columbia hopes to expand its industries each year. Already the city has 150 manufacturing plants that are successfully operating. They embrace the following: Cotton mills, cotton oil mills, fertilizer plants, softwood, hardwood and veneer mills, absorbent-cotton mill, tile, brick and other clay-product plants, foundries and machine shops, metal die-stamping plant, store and advertising-fixture factory, furniture factory, concrete pipe plants, book-publishing houses, granite quarries, stone and marble works, monumental plants, wooden-box factory, fireproof building-construction material plant, photo-engraving plant, rubber stamp and seal plants, flour and grist mills, grain elevators, lens manufactories, tool handle and golf stick plant, haircloth factory, aseptic tank plants, bakeries, spice mill, barrel stave mill, insecticide and fungicide factories, medical and chemical labo-

ratories, coffee roasters, harness and leather plant, auto accessory manufactories, circular-saw factory, plant for untrimmed caskets, mattress factory, patent medicine laboratories, cigar factories, basket factory and ice cream, candy and soft drink plants.

Columbia's textile industry is interesting in that it has



PALMETTO GRANITE QUARRY.

never had a strike in the history of the city. The city is the fourth largest inland cotton concentration point in the United States. The yearly receipts average 350,000 bales,



COLUMBIA HIGH SCHOOL, A MODERN STRUCTURE ACCOMMODATING 1200 STUDENTS.

with a warehouse capacity of 125,000 bales.

Large deposits of rich calcium marls are within easy reach of the city. There are extensive beds of porous phosphate rock which are the basis of the great fertilizer manufacturing industry of the state. Numerous limestone and granite deposits exist. Sand is to be found in abundance. Clay and shale deposits furnish raw material for brick and high-quality building-tile plants.

The timber resources are many. Jackson National Forest, recently established for re-

any farm crop grown in the United States can be produced around Columbia.

The city has gained repute as a distributing point. It also enjoys the largest retail trade territory in the state. It is the only city in South Carolina without competition in a radius of 50 miles. It is the distributing point for 26 various makes of automobiles. Six tire manufacturers and three adding machine companies have territorial headquarters in the Capital City. Twenty-three fertilizer companies maintain general or district offices in Columbia. Five inter-



THE STATE CAPITOL—CONSTRUCTION BEGUN IN 1854 AND COMPLETED AFTER THE CIVIL WAR. COST \$4,000,000.

forestation by the United States Department of Agriculture, and covering an area of 20,000 acres, will be an additional source of lumber supply.

Cotton and corn are the principal agricultural crops in the vicinity of Columbia, but experiments at Clemson Agricultural College, a state institution, have proven that practically

state railroads have district offices and one interstate line makes this city its home office.

During the last three years the bank deposits have increased from \$19,600,000 to \$25,000,000. Over a ten year-period the bank clearings rose from \$50,000,000 to \$150,000,000 a year. The postoffice receipts in the last decade ad-



THE LOGAN SCHOOL.



McMASTER SCHOOL.

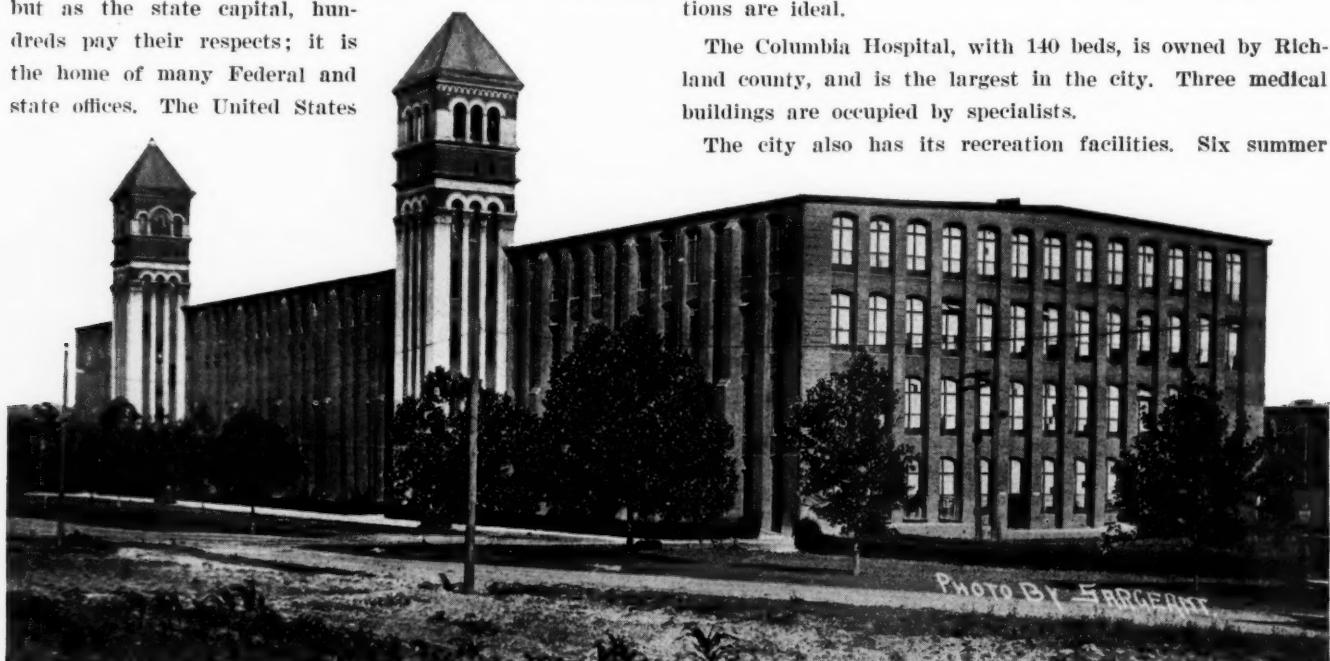
vanced from \$164,600 to \$382,000 per year. New building values for the last four years aggregated \$5,800,000. Telephone subscribers increased in number at the rate of 350 per year.

Columbia is not only an ideal city for industrial purposes, but as the state capital, hundreds pay their respects; it is the home of many Federal and state offices. The United States

Columbia's climate. The average temperature for 33 years, as measured by the Weather Bureau, was 63.5 degrees. Heat prostrations very seldom occur and snow hardly ever covers the ground. Spring usually comes early, and the summer months are seldom ever unpleasant. Health conditions are ideal.

The Columbia Hospital, with 140 beds, is owned by Richland county, and is the largest in the city. Three medical buildings are occupied by specialists.

The city also has its recreation facilities. Six summer



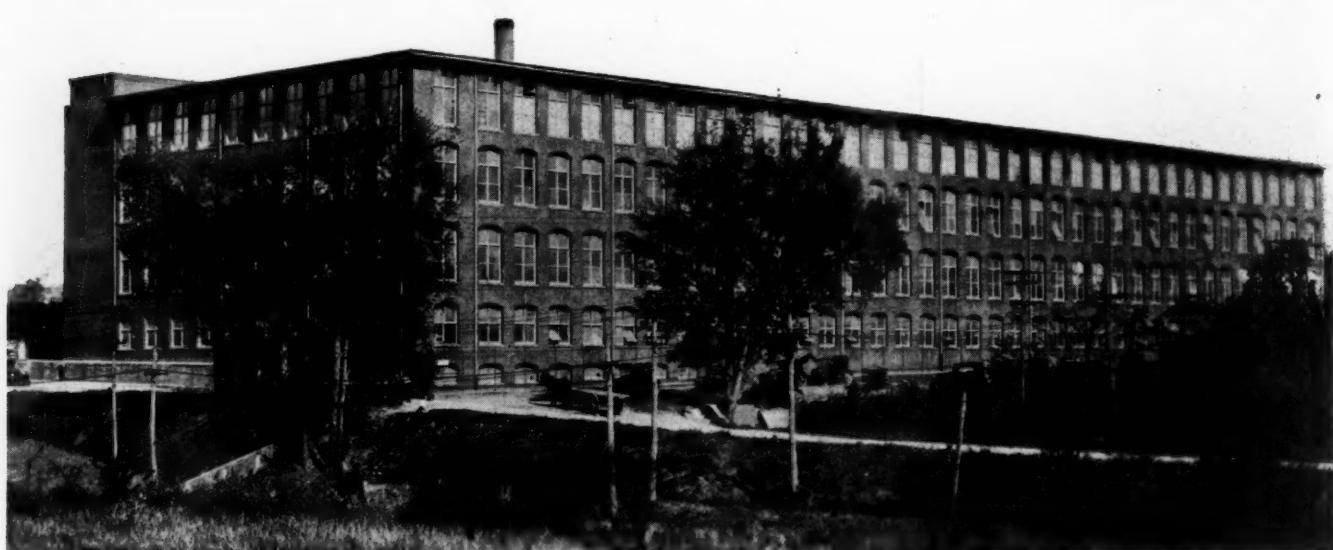
OLYMPIA MILLS—ONE OF AMERICA'S LARGE COTTON INDUSTRIES.

Weather Bureau and the regional offices of the Veterans' Bureau, employing 125 clerks, are located here. Columbia is the home of the Federal Land Bank, as well as 10 local banks. It is a tourist city and a convention city. No less than 16,000 delegates attended annual meetings here during the past year.

Columbia has an abundant supply of pure water. Expert chemists have made analyses of the water from the rivers and streams and found it to be free from suspended matter, and to be particularly suitable for bleaching purposes. And,

resorts, two country clubs, two municipal parks, seven theaters, a professional baseball club and various music, dramatic and writers' clubs give every class of citizen a place in which to spend any idle moments in legitimate and enjoyable diversions.

Property owned by the city has a value of \$4,500,000. Columbia is reputed to have one of the most modern fire departments in the South. The street, fire, police and water departments are directly under the supervision of the city fathers, which body is made up of a mayor and four council-



COLUMBIA MILLS—FIRST IN THE WORLD TO INTRODUCE INDIVIDUAL ELECTRIC MOTORS AS PART OF ITS EQUIPMENT.

men. The municipality is conducted by a commission form of government.

There are 10 colleges and universities, with a total enrollment



NEW CITY MARKET.

ment of approximately 5000. Every denomination is represented in the 69 churches which have their houses of worship here.

There are 10 public school buildings with 8000 pupils enrolled, a 100 per cent increase in 12 years. The school buildings represent an investment of \$1,000,000. There are two

Association furnished 22 of South Carolina's governors.

Besides the large number of churches, Columbia has within its city limits the Baptist State Mission Board, Baptist General Board, the Baptist Book Depository and Lutheran Publication House.

The State House is valued at \$6,000,000. Granite blocks



THE POSTOFFICE.

used in its construction were quarried within a few miles of the building site. Within the building are the halls of the State Legislature, the State Library, offices of the Gov-



FEDERAL LAND BANK, SERVING-SOUTH CAROLINA, NORTH CAROLINA, GEORGIA AND FLORIDA.

colleges for women in the city, two theological seminaries and two negro colleges. There are also a number of private schools and one fresh-air school.

The University of South Carolina, with an enrollment of over 1200, is the largest and oldest educational institution in the city. It was chartered in 1801 and began active work four years later. It is a co-educational institution, and through its course of study a student may work toward almost any degree, including Ph. D. The University Alumni

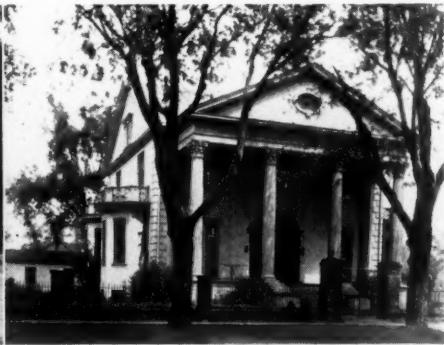
ernor and other state officials, and the Confederate Museum. The grounds are beautified by 50 varieties of trees, artistic monuments and green turf. Enclosed by an iron fence is a solitary grave, that of Capt. Swanson Lunsford, a Virginian and a member of Lee's Legion in 1875. His is the only grave on any capital grounds in the United States.

On Hampton street is the First Baptist Church, where the first Secession Convention met, December 17, 1860. During the Civil War the first secession meeting of the state was held in this church; a few soldiers in Sherman's

army which destroyed Columbia remembered that the session was held in that edifice and were determined to burn the building. They made their way around the Capital City one morning and eventually came to the First Baptist Church. There they met the old negro sexton, whom they questioned closely. All of them were unacquainted with the city, so they asked the colored man where the church was located that had housed the participants in the secession meeting. Surmising that the soldiers intended burning "his" church,

There are 55 various historic, secret and benevolent organizations. The business clubs take an active interest in affairs. The Rotary, Kiwanis, Focus and Lions clubs take special pride in their city, and the members are ever ready to assist in any campaign that will further the city's interests.

It has been largely due to the energetic efforts of the Chamber of Commerce that Columbia has received the vision of a "City—Unlimited." The organization was chartered 23 years ago, but not until the past year did it muster its full



THREE FINE EXAMPLES OF COLUMBIA'S BEAUTIFUL RESIDENCES.

the old sexton denied that the structure had ever been used for "sick meetings." The soldiers watched him closely and then demanded that he lead them to the right church. The foxy old man was at their service. He escorted the Union men around the corner and pointed out the Washington Street Methodist Church. It was burned to the ground, and the First Baptist Church was saved.

Woodrow Wilson's boyhood home is still standing. Shields' Foundry, where swords and sabers were made for the Confederate Army, is situated on Arsenal Hill. In Trinity Episcopal Churchyard are buried some of South Carolina's most distinguished sons—Henry Timrod, Wade Hampton and Peter Horry among them.

force. A campaign for membership was conducted last spring, and 1800 business and professional men were signed up on the active list. Frank A. Pierson is secretary of the Chamber. It was his idea that Columbia be styled the "City—Unlimited." He has worked towards this end; he is still working to realize the dream. And as he works Columbia citizens work with him.

One hundred thousand population by 1930 is the goal set by the Palmetto State capital. The doors are open. Everybody is welcome. The only requirement made of each new citizen is to follow the motto: "Boost, but don't knock. Give everything you have, and when you are too tired to work just talk up your 'City—Unlimited.'"



HYDRO-ELECTRIC PLANT AT PARR SHOALS—FURNISHES 20,000 HORSEPOWER.

### National Parks for the South.

Hope, verging on expectation, that one, and possibly two, national parks would be established in the Southern Appalachian Mountains before next spring was widely expressed at the fifth national conference on state parks, recently held at Skyland, Va., as a view of leaders of the nation-wide movement for great outdoor recreational centers. Tentative assurance that proposed national parks in the East would soon be created was expressed in addresses by Secretary Hubert Work of the Interior Department and Stephen T. Mather, director of the national park service, and at least one of such parks will be located in the South.

Beyond considering merely the subject of national parks as recreation features, James L. Greenleaf emphasized the necessity and value of conservation, saying, in part:

"In our national forests, national parks and state parks alike the fundamental purpose is preservation of things for the present and future good of the people. Conservation is the basic function of them all.

"In the forestry service this fundamental purpose takes the two-fold form of acquiring forest tracts and cut-over lands to be replanted, and also the active preservation and re-creation of the timber growth. This presupposes at the same time businesslike, scientific use. Conservation of the forests does not mean idleness of their timber resources. It does mean protection against fire, infection, grazing, and exploitation by grasping business interests.

"Conservation as applied both to the national parks and to the state park movement means primarily the acquiring and preserving for the public of scenic regions of importance before their exploitation by activities which destroy their scenic values or make their taking over impossible."

Secretary Work said also that the Federal Government must have the co-operation of state, and even municipal, governments.

The national conference unanimously re-elected John Barton Payne, chairman; Stephen T. Mather, director of the national park service, vice-chairman; Miss Beatrice M. Ward of Washington, secretary; Maj. W. A. Welch of New York, John Olive La Gorce, vice-president of the National Geographic Society; James L. Greenleaf of New York, Theodore Wirth of Minnesota, Albert M. Turner of Connecticut and Wilbur A. Nelson of Tennessee, members of the executive committee.

### Broward County Votes \$2,000,000 of Bonds.

Fort Lauderdale, Fla.—A bond issue, embracing \$500,000 for the erection of a new courthouse and \$1,500,000 for highway construction, has been voted by Broward county. It is planned to build a modern courthouse sufficiently spacious to meet the needs of future growth of the county.

Proceeds from the highway bonds will be expended over a period of years, as the county commissioners may determine, and will be sold in varying amounts from time to time, to cover the cost of different road projects as they are approved.

### Manufacturing Census of Virginia, 1923.

The Department of Commerce reports the value of products (at factory prices) of manufacturing establishments in Virginia aggregated \$548,159,000 in 1923 for establishments whose output during the year was valued at \$5000 or more. This aggregate represents an increase of 20.7 per cent, as compared with \$454,261,000 in 1921. The elimination of data for the smaller establishments has only a slight effect on the totals.

The average number of wage-earners employed during 1923, 111,578, exceeded by 26 per cent the number reported for 1921, 88,555, and the total wage payments in 1923, \$104,686,000, show an increase of 23.1 per cent, as compared with \$85,063,000 in 1921.

The "lumber and timber products" industry is the leading

one in Virginia, as measured by number of wage-earners. In this industry the average number of wage-earners employed during the census year increased from 8372 in 1921 to 14,558 in 1923, the per cent of increase being 73.9.

Measured by total value of products, however, the cigar and cigarette industry is the most important in the state. This industry, which employed 5932 wage-earners in 1923—about two-fifths as many as were employed by the "lumber and timber products" industry—reported a total output valued at \$61,834,000, an increase of 1.5 per cent over the 1921 total, \$60,933,000.

The following table presents statistics for the leading manufacturing industries in Virginia listed in the order of their importance as measured by the average number of wage-earners employed in 1923. (The building of steel ships, the construction of locomotives, exclusive of those made in railroad repair shops, and the manufacture of boots and shoes, other than rubber, which ranked sixth, twelfth and thirteenth, respectively, are not shown in this table, in order to avoid disclosing the operations of individual establishments.) The figures for 1923 are preliminary and subject to such correction as may be found necessary upon further examination of the returns.

SUMMARY OF VIRGINIA MANUFACTURES, 1923 AND 1921.  
(Industries listed according to average number of wage-earners employed during 1923.)

		Number of Wage earners	Census year	lish- ments number	(average wages	Value of products
Total, all indus- tries .....	1923	2,740	111,578	\$104,686,099	\$548,158,896	
	1921	2,570	88,555	\$85,062,579	454,261,467	
Lumber and timber products (logging and sawmill oper- ations) .....	1923	547	14,558	9,202,784	25,427,392	
	1921	458	8,372	5,525,682	15,706,237	
Steam - railroad re- pair shops.....	1923	39	13,149	18,003,024	37,337,948	
	1921	36	9,913	15,139,641	32,484,656	
Cotton goods.....	1923	8	7,883	7,413,628	35,876,478	
	1921	10	7,395	6,454,456	27,372,367	
Chemicals, not else- where classified.	1923	17	7,355	7,320,024	26,426,524	
	1921	14	3,006	2,372,503	17,029,596	
Cigars and ciga- rettes .....	1923	18	5,932	3,768,503	61,834,078	
	1921	25	6,489	4,300,066	60,933,655	
Paper and wood pulp .....	1923	9	2,805	2,703,938	18,221,840	
	1921	9	2,371	1,974,895	12,923,007	
Furniture (includ- ing show cases)*	1923	32	2,524	2,063,751	9,219,968	
	1921	31	1,572	1,246,625	5,551,040	
Clothing, men's....	1923	22	2,170	1,319,570	7,989,550	
	1921	22	1,422	891,933	5,830,348	
Planing - mill prod- ucts, not made in planing mills con- nected with saw- mills .....	1923	99	2,077	2,238,700	11,758,469	
	1921	106	1,699	1,811,449	9,794,336	
Fertilizers .....	1923	51	2,009	1,601,208	17,712,995	
	1921	47	1,760	1,432,607	15,932,812	
Printing and pub- lishing, book and job .....	1923	105	1,664	1,889,396	6,938,093	
	1921	109	1,605	1,761,924	6,423,774	
Clay products (other than pot- tery) and non- clay refractories.	1923	44	1,537	1,244,711	3,888,896	
	1921	38	1,102	904,229	2,342,247	
Knit goods .....	1923	11	1,498	1,165,261	5,506,494	
	1921	9	1,581	1,035,082	3,084,471	
Boxes, wooden pack- ing, except cigar boxes .....	1923	18	1,472	1,099,882	6,363,932	
	1921	30	2,091	1,530,066	7,770,539	
Foundry and ma- chine - shop prod- ucts, not else- where classified.	1923	57	1,398	1,648,786	5,596,355	
	1921	65	1,251	1,702,335	6,237,969	
Confectionery and ice cream .....	1923	63	1,355	1,013,264	8,921,628	
	1921	55	1,192	911,202	8,325,891	
Marble, slate and stone work .....	1923	40	1,243	902,108	2,481,235	
	1921	43	339	353,646	1,046,358	
Bread and other bakery products.	1923	88	1,230	1,400,024	8,026,988	
	1921	87	1,245	1,475,687	8,838,323	
All other industries	1923	1,472	39,719	38,687,837	248,630,033	
	1921	1,376	34,150	34,238,551	206,434,841	

\*Figures for 1921 not strictly comparable with those for 1923 because of changes in classification.

# Deepwater Steam-Electric Plant Now Operating.

FIRST UNIT OF PROJECT AT HOUSTON TO DEVELOP 40,000 KILOWATTS—ULTIMATE CAPACITY 180,000 KILOWATTS.

[Special Correspondence Manufacturers Record.]

Houston, Texas, May 29.

Two 20,000-kilowatt turbo-generators, comprising the first unit of the Deepwater plant of the Houston Lighting & Power Co., have been placed in operation. The plant has been laid out on the unit plan, and the second installation provides for two additional turbines of either 20,000 kilowatts or 30,000 kilowatts capacity each. The third and last unit will probably consist of two 40,000-kilowatt units, bringing the ultimate capacity to 180,000 kilowatts.

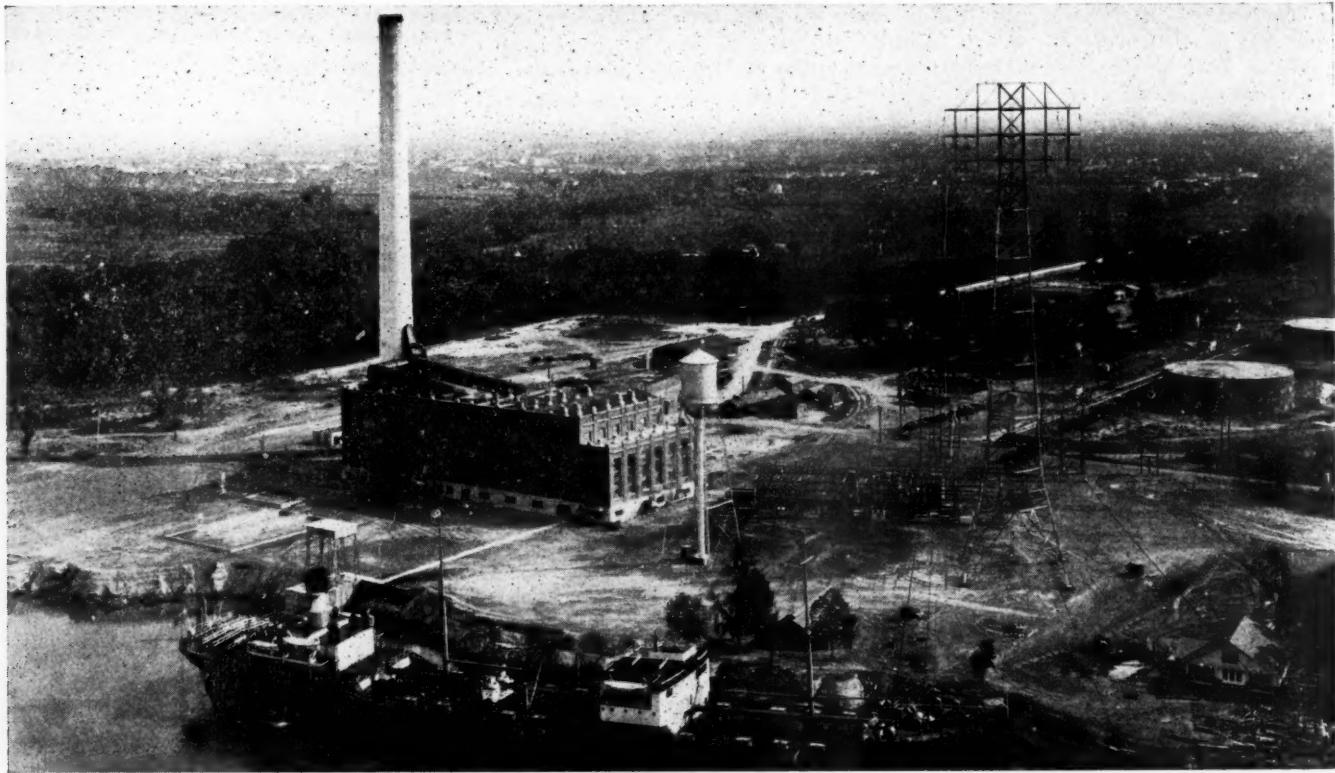
Present plans contemplate serving the country within a radius of 100 to 150 miles of Houston. Part of this development is now under way in that a 66,000-volt line approximately 100 miles long is being built to serve some of the territory west of Houston.

The main building is 100 by 275 feet, containing a basement and one story, the former 21 feet high and the latter 57. The foundation, basement walls, floors and roof are of reinforced concrete. The walls above the basement are of steel-frame construction encased with brick. A central partition divides the building, the boiler room on one side and the dynamo room on the other. The boilers rest on the floor of the basement and the burners are located in a corridor ten or fifteen feet wide. The turbo-generators occupy the

is transformed and distributed; part of this is carried to the cross-arms of the south transmission tower and thence across the Ship Channel. The transmission towers, one on either side of the channel, are constructed of fabricated steel, 285 feet high, affording a clearance of 200 feet at high water for the 18 high tension cables which they support.

Circulating water for operating the condensers is obtained from the Houston Ship Channel through a concrete intake so constructed as to prevent the surface water and refuse from entering. After the water leaves the condenser it is discharged through a concrete tunnel to Vincents Bayou, which gives a minimum length of flow between the intake and the discharge of approximately 1500 feet and a natural cooling area of approximately 24 acres. Later a spray pond will be used. Water for service about the station is obtained from deep wells and discharges into the spray-pond reservoir. These deep-well pumps are air-operated.

Steam is generated by four wrought-steel sectional cross-drum water-tube boilers, designed for 350 pounds pressure and operated with 215 degrees to 240 degrees superheat. Each boiler is equipped with a single-pass superheater. An air pre-heater for warming the forced-draft air supply to one of the boilers has been installed. The furnaces of the



THE NEW DEEPWATER PLANT AT HOUSTON, TEXAS.

west room, one on the south and one on the north end. At the extreme west end of the building is the electrical bay, partitioned off with brick walls and containing five different floors on which are located the electrical regulating, distributing and measuring equipment of the entire plant.

The cables run down from the switchboard and out through an underground tunnel to the switchyard, where the energy

four boilers are equipped with 36 San Diego oil burners, making nine burners to each boiler.

Mexican oil is burned under the boilers, the supply being delivered to the plant in oil-carrying steamers. It is pumped into two 55,000-barrel capacity oil storage tanks, thence into two 3000-barrel concrete service tanks.

The smoke is carried from the boilers by rectangular flues,

5 by 11 feet, which pass straight up through the roof to the bottom of the main flue. All the boilers are served by a concrete chimney 362 feet high, with an outside bottom diameter of 31 feet and an outside top diameter of 19 feet. It receives the flue at an elevation of 100 feet. Just below the flue is a hopper to collect the soot.

The principal equipment of the plant and the firms supplying this material are as follows:

Two 20,000-kilowatt turbo-generators, direct driven excitors, General Electric Company, Schenectady, N. Y.; one turbo-generator house unit, Westinghouse Electric & Manufacturing Co., East Pittsburgh, Pa.; one motor generator exciter, General Electric Co.; two surface condensers, two circulating pumps, two 400-horsepower motors, four motor-driven condensate pumps and four induction motors, Westinghouse Electric & Manufacturing Co.; two steam-jet air pumps, General Electric Company; four water-tube boilers, Babcock & Wilcox Co., New York; four forced-draft motor-driven fans, B. F. Sturtevant Co., Boston; four slip-ring motors, General Electric Co.; one air pre-heater, Babcock & Wilcox Co.; 80 revolving soot blowers, Diamond Power Specialty Corp., Detroit; two motor-driven centrifugal pumps, one turbine-driven centrifugal pump, Worthington Pump & Machinery Corp., New York; two induction motors for boiler-feed pump, Westinghouse Electric & Mfg. Co.; two evaporators and evaporator condensers, Griscom-Russell Co., New York; two motor-driven centrifugal pumps, Worthington Pump & Machinery Corp.; two induction motors, General Electric Company; two pumps for house service, two pumps for overhead tank supply, two pumps for service water-spray pond and two pumps for generator air-washer system, Worthington Pump & Machinery Corp.

Rain-type mixing head, Struthers-Wells Co., Warren, Pa.; stack, Heine Chimney Co., Chicago, Ill.; three vertical oil heaters, Whitlock Coil Pipe Co., Hartford, Conn.; one duplex Blake vertical piston pump, Worthington Pump & Machinery Corp.; four draft systems, the Engineer Co., New York; four oil meters, National Meter Co., New York; grating and steel flooring, Kerlow Steel Flooring Co., Jersey City, N. J.; high-pressure drip receiver, S. C. Regulator Co., Fostoria, Ohio; 60-ton traveling crane, Whiting Corp., Harvey, Ill.; stop and check valves, Edwards Valve & Manufacturing Co., East Chicago, Ind.; air-compressor, Worthington Pump & Machinery Corp.; meters and draft gauges, Bailey Meter Co., Cleveland, Ohio; recording thermometers, Bristol Co., Waterbury, Conn.; valves, Chapman Valve Manufacturing Co., Indian Orchard, Mass.; atmospheric valve, Atwood & Morrill Co., Salem, Mass., and air compressor, Ingersoll-Rand Co., New York.

### St. Petersburg Votes \$2,414,000 of Bonds.

St. Petersburg, Fla.—Citizens of St. Petersburg have voted a bond issue for municipal improvements to involve an expenditure of \$2,414,000. Of this sum \$1,000,000 will be expended for the construction of the new municipal pier into Tampa Bay.

### Houston Sells \$1,450,000 of Bonds.

Houston, Texas.—Bonds in the amount of \$1,450,000 have been sold by this city to Stifel-Nicholaus & Co., St. Louis, at a premium of \$56,060. Proceeds from the sale of the bonds will be used as follows: Water-works, \$400,000; street improvement, \$100,000; macadam streets, \$100,000; drainage, \$100,000; park improvements, \$100,000; bridge building, \$100,000; sanitary sewers, \$75,000; incinerator, \$75,000; auditorium, \$300,000; fire and police station, \$100,000.

### The South Developing World-Champion Cows.

Dairying centers of the country and of the world must soon look to their laurels, for the South, with its growing dairy business, is beginning to develop champion milk-producing cows. In "The South's Development," published by the MANUFACTURERS RECORD last fall, it was shown that Florida had a world champion cow for production in the Dutch Belted breed, and now comes South Carolina with a young Jersey cow which is the world champion for production in its breed.

Sensation's Mikado's Millie 568901, a senior two-year-old Jersey cow in the herd of Fred H. Young of Timmonsville, S. C., has completed an official 365-day record, which makes this cow the world's champion senior two-year-old Jersey. Millie started on her test at two years and eight months of age, and at one year she yielded 850.81 pounds of butter-fat and 13,303 pounds of milk, thus superseding the Oregon Jersey, St. Mawes Pretty Lady, that held this championship with her record of 824.33 pounds of fat and 12,550 pounds of milk. Mr. Young's Jersey averaged 70.9 pounds of butter-fat per month for the year and her milk averaged 6.39 per cent fat. In the course of the 12 months she was tested 17 times by seven men from the South Carolina Experiment Station and the North Carolina Agricultural College. The approximate cost of the feed consumed was \$225. Mr. Young is selling butter in Florence, S. C., for 60 cents per pound, and at that rate Millie produced \$600 worth. The value of her offspring and the value of her product make this South Carolina Jersey cow an extremely profitable animal.

Last November Belle de Sarah \$395,806, developed by the same breeder, completed an official test with 858.10 pounds of butter-fat and became South Carolina's first medal of merit cow.

It is estimated that \$200,000,000 was involved in dairy production in the Southern states in the 12 months ending December, 1924, which reflects the important part dairying is performing in the South's development, and that in the last 10 years this industry has become a strong commercial factor in the South, with its greatest growth in the last two or three years.

Craddock Goins, writing in "The South's Development," states that the South's dairying triumphs have a significance more far-reaching than the fact that something like 350 creameries, 1500 ice-cream factories and hundreds of city milk plants and cheese factories have been established in the South, and on the whole are increasing production every year. The most important feature of dairy development in the South is the fact that it is opening up a wealth with which farmers can build up their land, improve their homes, educate their children for important citizenship duties and have more money with which to trade with their local merchants.

Another important factor is that the South is increasing its supply of purebred dairy cattle. Registered and purebred cattle, consisting of Holstein, Jersey, Guernsey and other breeds, are now found on many farms in the South. On January 1, 1925, the Southern states had 7,410,000 milch cows, valued at \$257,944,000, while other cattle in the South on this date numbered 13,578,000, with a value of \$257,218,000, or a total of 20,988,000 heads of cattle, valued at \$515,162,000. The South had 30 per cent of the milch cows of the country and about 34 per cent of cattle other than milch cows, in the country on January 1, 1925. The value of the South's livestock products in 1924 was \$2,118,000,000, or 30 per cent of the country's total that year.

The city of Greenville, S. C., G. G. Wells, clerk, on June 9 will sell \$500,000 of a \$2,000,000 issue of bonds authorized for the extension of water-works.

### Greensboro Asks Bids on \$1,500,000 Bonds.

Greensboro, N. C.—Sealed proposals will be received until June 5 at the city hall here, in care of E. G. Sherrill, city clerk, for the purchase of \$1,500,000 of gold bonds of the city of Greensboro. The bonds will include \$1,000,000 for street improvements and \$500,000 for water and sewers.

### Ten-Story Office Building for Fort Myers.

Fort Myers, Fla.—Plans have been prepared by B. S. D. Martin of this city and M. Leo Elliott of Tampa for a 10-story office building to be erected here by the Broadway Building Corporation, of which George Sims is president. The structure will be erected at Broadway and 1st street, with an entrance on the former.

### Birmingham to Sell \$1,733,000 of Bonds.

Birmingham, Ala.—Proposals will be received by the City Commission of Birmingham until June 16 for the purchase of \$1,533,000 of public school bonds, dated October 1, 1924, and maturing serially, and for \$200,000 of public improvement bonds. Interest is at 4½ per cent per annum, payable semi-annually. D. E. McLendon is president of the Commission.

### Galveston Plans Sale of \$2,550,000 Bonds.

Galveston, Texas.—Plans will probably be made by the City Treasurer of Galveston for the sale, not later than some date in August, of \$2,550,000 of bonds recently voted for municipal improvements. Funds to be raised from the sale of the bonds will be applied as follows: Grade raising, \$2,000,000; permanent paving, \$150,000; new sewers, \$200,000; improving streets, \$125,000; incinerator, \$75,000.

### \$1,000,000 Hotel for Berkeley Springs.

Working plans and specifications are being prepared by Milburn, Heister & Co. of Washington, D. C., for a new \$1,000,000 hotel at Berkeley Springs, W. Va., to be erected by the Berkeley Springs Hotel, Inc., Frank C. Jackson, president. The company has purchased the old Berkeley Springs Hotel property and has been granted concessions by the state for the use of the mineral water. The structure will face the springs and will contain approximately 500 rooms. Drawings are expected to be ready for estimates between July 15 and August 1.



NEW HOTEL TO BE ERECTED AT BERKELEY SPRINGS, W. VA.

### Less Money Paid for More Coal.

Charleston, W. Va., June 1.—The purported reason for the great losses suffered by the West Virginia coal-mine owners during the past two years—estimated by some authorities as high as \$50,000,000—is indicated in the annual report of R. M. Lambis, chief of the State Department of Mines, for the fiscal year ending June 30, 1924, just off the press. The trend to downward has been more evident in the 11 months of the current fiscal year.

While the tonnage of coal produced in 1924 was 103,325,960 tons, as compared with 97,475,177 tons in 1923, the total selling price, or value, of the coal mined dropped from \$275,759,877 in 1923 to \$206,651,920 in 1924. In other words, the mines in West Virginia produced 5,850,783 tons more of coal in the last fiscal year than in 1923 and were paid \$70,147,957 less for this larger product. Of the coal actually sold, the mine owners marketed 16,662,851 tons more and were paid \$66,894,306 less for it. The average selling price for run-of-mine coal was \$2 a ton, or \$1.18 less than in 1923.

The bitter competitive war between the coal-producing regions of the country, due to the overextension of mining facilities at the time of and following the World War, is blamed for bringing about a situation where a large proportion of the mining companies are depleting their resources and at the same time are "making the consumers a present" of the difference between the cost and selling price of the coal produced. It was this situation that caused Dr. Foster Bain, head of the United States Bureau of Mines, to remark recently that relief for the present situation would not result until the bituminous industry was organized into 15 or 16 companies. He said that it was not nearly as well organized as the farmer—there was too much competition.

The annual income of the average West Virginia miner, working for the most part under the American plan, has increased, the average of the wages paid to the pick miner rising from \$1199 in 1923 to \$1442, which is an increase of \$242 annually per each pick miner; the wages paid in 1923, when the American plan was just being introduced in this state, showed an increase of \$144.44 per man over 1922.

During the year there were employed at the mines and coke ovens within the state an average of 115,964 persons, a decrease under the previous year of 5316.

Coke manufacture, covered in the same report, decreased in 1924 to 513,418 tons, or 310,494 tons less than the output of 1923, or a loss of 37.69 per cent.

# The Dynamic Power of Truthful Publicity.

## THE CHARACTER OF ADVERTISING BRINGS PROFITABLE RESULTS.

In literally scores of addresses on the main topic of advertising and on its wide and varied ramifications at the recent convention of the Associated Advertising Clubs of the World at Houston, emphasis centered largely on three features: The necessity for advertising; the necessity for truth in advertising; the inevitability of beneficial results from good advertising. And it was interesting to note that the necessity for advertising was stressed by clergymen and church members in addresses in churches; that the necessity for truth in advertising was urged by the president of a great railroad company, and that the beneficial results of good advertising were acclaimed by advertisers, rather than by advertising agents.

"Every church should have a fund for regular, systematic and sensible advertising," said Rev. T. Brabner Smith of Chicago, indicating the necessity for advertising.

"We undertake to tell, in plain words and without embellishment, the truth," said President L. W. Baldwin of the Missouri Pacific Railroad.

And United States Senator Morris Sheppard showed his confidence in the efficacy of advertising by picturing the glories of his state to an audience which he knew would spread the story throughout the United States and through much of Europe.

Finally, a point was made by Secretary of Commerce Hoover that advertising, by creating demand and stimulating production, lowers costs to the manufacturer and reduces prices to the consumer. As Mr. Hoover put it:

"One profound economic effect of advertising often is overlooked—its influence upon production. The general knowledge and rapid distribution of an article, which can only be accomplished through advertising, creates large production and thus lowers costs and prices. Modern advertising is the handmaiden of mass production. \* \* \* The notion that advertising in its broad sense is an economic waste has been long since abandoned. \* \* \* More directly, it is an economical form of distribution."

In advertising to the advertising men and women the glories, advantages and opportunities of his state, Senator Sheppard emphasized its interest in education, saying, in part, on that line:

"Soon after Texas became a republic, Houston, its first President, recommended a land endowment for a public school system comprising both elementary and university training, which, he said, would be the foundation for a great moral and intellectual edifice to be hailed in after ages as the chief monument and blessing of Texas. Carrying out that suggestion, Texas has contributed the proceeds from the sales of more than 49,000,000 acres of its public domain to the creation of a permanent school fund represented by securities valued at more than \$80,000,000, and by several hundred thousand acres still unsold—a public educational endowment more than twice as large as that of any other state in the American Union. Furthermore, the legislature has appropriated millions of dollars from time to time from other sources in aid of education.

"In addition to its public educational system, the great religious denomination have developed and individuals have endowed institutions, from primary to post-graduate, of lasting and uplifting influence. Also, we have in Texas the largest college of industrial arts for women in the United States. Texas maintains the largest educational extension service in the Union in connection with the Federal Department of Agriculture and the agricultural college and experiment stations which the Federal Government helps to operate in the state. Texas thus takes a leading part, so far as agriculture is concerned, in the most promising form of education yet devised—a system which brings scientific knowledge to the very doorsteps of the people."

Unless a railroad, or any other important public utility, enjoys friendly popular opinion, it cannot expect true success,

said President Baldwin of the Missouri Pacific Railroad, and he added that popular favor is closely dependent on advertising, whether it be word of mouth or of the numerous kinds available nowadays to the alert business enterprises. Saying that he was a strong believer in the value of all legitimate advertising mediums, Mr. Baldwin added that his road "utilizes virtually every form of advertising that has been devised and which has proved successful in bringing about the desired results." He continued:

"If we expect the American public to judge the railroads fairly and accord them a square deal, it is up to some one to see that they are provided with all the essential facts. For a great many years the railroads were subject to attack of all kinds from almost every conceivable source and, I believe, mistakenly, the managements of the railroads saw fit to suffer in silence. That this attitude was a mistake I think is generally admitted now. At least a reversal of that attitude has been bringing about splendid results.

"The Missouri Pacific system lines \* \* \* departed from established practices. We did not attempt to influence public opinion with beautifully painted illustrations or highly colored word pictures. We simply approached the various subjects—especially those about which there appeared to be the greatest misunderstanding—and we undertook to tell it in our plain words, without any embellishments whatever, the plain truth about those various matters. Having told our story, to be inserted in the display space we had purchased, we felt that the public was entitled to know the source of the statement. Therefore, each statement was signed and the truth of each was vouched for. Any person in the land was at liberty to investigate any statement we made as to either source or veracity, and we stood ready at all times to furnish the source of our information or any statement we made."

Closer co-operation between press and pulpit in the common service of humanity was urged by Rev. T. Brabner Smith, in charge of secular press publicity, World Service Commission of the Methodist Episcopal Church. The Church must study the needs of the press, he felt, and lack of definite knowledge of the working of the press by the clergy, and, in some cases, lack of knowledge of the Church by the press, causes irritation, misunderstanding and criticism. Dr. Smith said:

"Every church should have a fund for regular systematic and sensible advertising in the newspapers and a committee on church publicity, utilizing the newspaper talent already in the church. If it has no experts, it can cultivate talent. There should be lectures or informal talks on advertising by advertising men to laymen and ministers in church or community or parish house. There is a great field for advertising clubs among churches, church federations and conferences, synods and other church official meetings. Practically all editors say that definite church advertising is increasing. All newspaper advertising depends in part for its success on church people, but two-thirds of its readers are church members, and must read and buy goods from the firms advertising, or advertising would be a losing proposition."

Such changes in the rural buying field have taken place in the last decade or two that persons who have been out of direct touch with farm life during that time are seriously uninformed about rural progress, according to Paul T. Cherington, director of research, J. Walter Thompson Co., New York. There is not today, he said, the distinction between the small-town market and the strictly rural market, attributing this to the cheap automobile, more paved roads, motorbus lines, telephone, power lines, radio and other equally potent influences. Said he:

"Two changes which have taken place during the past 20 years would alone be of sufficient importance to revolutionize rural life: Nearly half a million miles of good roads have been built (this is twice the total railway mileage of the country) and more than 3,500,000 farm-owned motor-cars are operating over these roads. This motorcar equip-

ment has been taken on by the farms, while the number of horses on farms has remained about stationary at over 19,000,000. And, incidentally, it is significant that 450,000 rural homes now have electric light and that over 640,000 have running water piped to and over them. These changes all represent modified habits of and capacity for consumption.

"Similarly, in small towns rapid changes have been going on. The moving-picture theater has a fixed place in the social life not previously filled by any agency. Churches and various social or fraternal bodies which long have been a part of rural and small-town social life all have taken on new activity and new forms as a result of the improvements in country transportation.

"What is to be said in addressing the farm market and how it is to be told are problems which are so distinctly individual for each case that few generalizations are possible. One or two general principles are clear, however—a special technique for developing rural and small-town copy is less necessary than an accurate understanding of and a current familiarity with conditions in small-town and country life. In general, however, it may be said that, with the new conditions of rural and small-town life, these two markets together may be expected to keep pace with the city markets in progress and expansion."

Speaking before the classified advertising managers' session, Carl Hunt, general manager of the Associated Advertising Clubs, New York, predicted a much wider use of the humble, but powerful, "want ad," particularly in view of the fact that the forests, from which newsprint paper comes, are being used faster than they are being planted, and this must inevitably result in higher advertising rates. Said he:

"There are many things which point to higher costs of newspaper production, and this, in turn, will mean higher advertising rates, smaller advertisements and better advertisements."

He declared there is plenty of room for improvement, and believed that one development would be in the wider use of classified advertisements by business houses.

"Pictures are a powerful influence—in fact, a vital necessity—in the development of any state or community," J. J. Walden, president of the Southwestern Engraving Company, Fort Worth, declared at a meeting of the American Photo-Engravers Association, in conjunction with the convention. He continued:

"Which is the best advertised of the 48 states, or, indeed, of any portion of the globe? Instantly one name stands clear above all others in your mind; 99 men out of 100 will answer that question by saying 'California.' Many of us have never visited the Land of Native Sons. Yet I doubt if there is a single person in this audience who has not a definitely favorable conception of California's balmy climate, her sun-kissed farmlands and her thriving, prosperous cities. Where and how has the man who has never visited California received this mental impression of her greatness? Words are powerless to describe the majesty of the gigantic redwoods; cold type can never tell the colorful story of fruits and flowers in the fertile valleys and the impressive grandeur of snow-capped mountains, and words are again at a loss to convey any idea of the industry and amazing growth of those two friendly rivals, San Francisco and Los Angeles.

"No; California has used pictures. Her civic organizations, her chambers of commerce, her manufacturers, hotels and resorts have all used pictures to sell California in general and their own product and communities in particular to the world.

"We of the Southwest believe that we have practically everything here that can be found in any other part of the United States—and we photo-engravers have a worth-while, constructive task in selling our fellow-citizens on using pictures to tell the story of the Southwest to the world. The Southwest has been developing, and in my opinion it is just now entering upon its period of greatest development. Pictures have played an important part in the past, but they must play an even larger part in the future. The use of pictures and the development through them of our Southwest depends almost entirely upon the aggressiveness with which we Southwest photo-engravers push their use."

"The savings bank in its advertisements should emphasize less the 'rainy-day' necessity for saving and more the pleasant things one can do with the wealth which comes from consistent saving." Alvin P. Howard, vice-president of the

Hibernia Bank & Trust Co., New Orleans, and president of the savings bank division, American Bankers Association, asserted before the Financial Advertisers Association meeting, and he suggested that the advertising policy should be placed in charge of an officer and the budget be 5 per cent of the expense account, not including interest paid to depositors and taxes.

### New Orleans Second in Shipping.

Next to New York, New Orleans is the second port in the country in volume of foreign trade handled, furnishing an outlet for the exports of the great agricultural and manufacturing regions of the Mississippi River system. At the New Orleans and Louisiana exhibit of the Southern Exposition held in New York there was distributed a most comprehensive booklet, issued by the Board of Commissioners of the port of New Orleans, which graphically presented the activity and development of the territory. The booklet illustrates and describes the facilities for handling exports and shows the enormous volume of foreign trade of the port. Wharves owned and controlled by the Board of Commissioners of the port of New Orleans have a frontage of 33,395 feet, giving a total area of 4,884,132 square feet, of which 3,543,832 square feet are under cover. Wharves extend for 10 miles along the river and the total cargo handling space at shipside is 7,000,000 square feet. There is in addition over 1,000,000 square feet of open river-front storage contiguous to wharves and a large area that is reached by switch tracks.

The aggregate value of exports for the port of New Orleans in 1924 was \$411,675,000, while its imports were valued at \$205,974,000. Total tonnage of the port in 1923 was imports, 4,358,902 tons, and exports, 3,480,208 tons.

### Contracts for Water for Louisiana Rice Fields—Canal Company to Serve 300,000 Acres.

A number of canal companies supplying water to rice fields in southern Louisiana have signed contracts with the Louisiana Gravity Canal Co., Wellman Bradford, president, Alexandria, by the terms of which the latter company agrees to furnish necessary water. Plans of the Louisiana Gravity Canal Co. are said to involve the expenditure of approximately \$10,000,000 for an irrigation project embracing dams and power plants. Discussing the project in a telegram to the MANUFACTURERS RECORD, Mr. Bradford says:

"Contracts have been agreed upon between this company and all the large canal companies, with one exception, that now pump their waters from stagnant streams in southwest Louisiana and deep wells, irrigating possibly 300,000 acres in rice.

"With the control of these waters and a systematic increase of reservoirs yearly, ultimately reaching Red River, where a gravity flow would reach all of southwestern Louisiana, not only rice irrigation but power development for all that territory would be solved. The control of drainage from 4,500,000 acres and reservoir capacities of 5,500,000 acre feet, with gravity flow from Red River, solves the matter of economic irrigation and power for this state."

### St. Petersburg to Have New \$500,000 Hotel.

St. Petersburg, Fla.—General contract has been awarded to the George A. Fuller Co. of New York, with an office in this city, for a new hotel to be erected here by the St. Petersburg Golf Development Co. at a cost of approximately \$500,000, including furnishings and equipment. The building will be three stories, of tile construction, and will contain 100 rooms. Ritchie, Parsons & Taylor of Boston are the architects.

# Planning Power Conference in Western North Carolina.

By R. L. GRAY.\*

With the idea of reaching agreement upon plans for the maximum development of at least 1,500,000 horsepower on streams in western North Carolina that furnish one of the greatest hopes of extension of hydro-electric industry in the entire South, the North Carolina Department of Conservation and Development, acting in co-operation with the Asheville Chamber of Commerce, has announced a conference in Asheville, probably early in August, which may mark the beginning of a manufacturing area in the Blue Ridge the equal of that for which Piedmont North Carolina is now famous.

There will be in attendance representatives of the Federal Power Commission, the United States Geological Survey, the Engineering Department of the United States Army, western North Carolina business interests, hydro-electric companies and holding corporations and editors of national financial and commercial journals. At the time of the meeting it is expected that Major Harold C. Fiske, U. S. A., who is in charge of the Tennessee River Basin Survey, will have data of an authoritative kind from which it will be possible for the first time to get a practical vision of the water-power possibilities on the Little Tennessee, the French Broad, the Big Pigeon and the Hiwassee rivers. Army engineers began work on these streams, North Carolina tributaries of the Tennessee, on May 1, and included with their data will be the results of thousands of aerial photographs by which the region is being mapped.

Ever since the survey of the Tennessee River Basin was projected it has had the earnest interest and aid of the North Carolina Geological and Economic Survey, the predecessor of the present Department of Conservation and Development. Thorndike Saville, the department's hydraulic engineer, has co-operated actively with the Government engineers in the part of the area lying in North Carolina, and has made important studies and investigations, particularly as to conditions on the Hiwassee River. With the work of the survey as far advanced as it is expected to be by August, the department feels that the time will have come to take steps looking to practical realization of the possibilities.

What is known as the Tennessee River Basin is the territory included in the area drained by the Tennessee River and its tributaries. Beginning at Knoxville, the Tennessee River proper is 650 miles long, passes Chattanooga, crosses northern Alabama, including the famous Muscle Shoals; crosses a corner of Mississippi, flows northward through middle Tennessee, through the western end of Kentucky, and empties into the Ohio River near Paducah. Its sources are the Blue Ridge Mountains of Virginia, North Carolina and Tennessee, four of its most important tributaries being in North Carolina.

The survey of this territory by the United States engineers has the threefold purpose of developing the Tennessee and its basin for navigation, hydro-electric power and flood control. The scope of the work includes detailed mapping of the entire immense area, much of which is being done through the agency of aeroplanes, location of dam sites for reservoirs, estimates and calculations of water-powers, stream flow data, etc.; in brief, complete investigation and plans, all of which will be made available for use in development by industry.

The Acts of Congress under which the survey was authorized are based on the idea of rendering the Tennessee River navigable; but while the river and its tributaries at present

carry immense volumes of water from a vast drainage area, the flow is very uneven on account of periodic conditions of flood and drouth and the absence in the mountains of natural lakes. Therefore, to create a mean depth suitable for all-the-year navigation, it will be necessary to build a system of reservoirs to hold the flood waters in the drainage area until they are needed in periods of drouth; and in order to justify the expenditure needed to attain such an end, reliance must be placed on the industrial development of the rivers through hydro-electric energy. Congress, in authorizing the survey primarily in aid of navigation, therefore, provided for securing in as complete a form as possible the data which will be necessary preliminary to industrial use of the water-powers.

In a recent interview with Major William D. Harris, acting director of the Department of Conservation and Development, Major Harold C. Fiske, in charge of the survey, estimated the undeveloped water-powers in western North Carolina at 1,500,000 as a minimum. Of this amount the Little Tennessee River powers, now under survey by the Aluminum Company of America, can ultimately furnish 460,000 horsepower, of which 360,000 horsepower will be available for continuous operation. The Aluminum Company already has completed one dam with an installation of 72,000 horsepower at Cheoah, Graham county, near the Tennessee line, which is capable of an installation of 100,000 horsepower. The remaining 1,000,000 undeveloped powers in the North Carolina portion of the Tennessee River Basin are on the other three streams mentioned—French Broad, Big Pigeon and Hiwassee.

On the basis of these figures, Major Fiske's estimate is that each horsepower developed will entail an expenditure of capital of \$100, or a total of \$150,000,000 fully to develop the powers available in the area.

For each dollar spent in the development of electrical energy, he estimates that there will result an investment in industry, business, town sites, etc., of an additional \$10, so that the full development of the North Carolina tributaries would mean an ultimate investment of not less than \$1,500,000,000.

The implications of the development of these power streams for the production of hydro-electric energy are in every way tremendous. Western North Carolina has recently come into national notice chiefly as a resort and tourist center and playground, challenging in these respects both the Pacific Coast and Florida. Asheville, for instance, is growing more rapidly than any city in the state, and is world-famous as a resort center, equally attractive in either winter or summer. The mineral industry is in many lines prospering and being developed on a broad scale. All that is needed to realize these advantages to the fullest extent is that manufacturing industry avail itself of the opportunities held out by climate, water and natural resources. Industry on a large scale in the western part of the state needs only adequate power, and the power is there in the potential sense.

That the western streams have not been more thoroughly utilized in this respect has been due to a number of causes, one of which has been long litigation between power companies in connection with licenses. Especially in the case of the Hiwassee, such litigation has delayed development for a decade. It will be one of the chief aims of the conference at Asheville to reach a modus vivendi between all interests looking to the development of each stream in a manner to procure the utmost power from each available site. This question of maximum development of power streams has for some

\*Editor of publications of the North Carolina Department of Conservation and Development.

time been a special policy of the Department of Conservation and Development, and its engineer, Thorndike Saville, has made several studies on North Carolina streams looking to their use as units, without the waste incident to too many small plants which prevent the utmost power being obtained. With the data on the power survey at hand, it will be possible to work out a scheme sufficiently comprehensive to provide for the ultimate use of all the undeveloped water-power in the western part of the state in a manner to avoid the usual elements of waste of resources.

### Expect Bigger Cotton Yield This Year in British Empire.

Manchester, England, May 22—[Special.]—Speaking at the annual meeting of the Empire Cotton Growing Corporation, Lord Derby said that the number of 400-pound bales grown in the Empire, exclusive of India, in 1923-24 was 249,000 bales and the estimated crop for the season 1924-25 was 350,000 bales. Of the prospects of cotton growing in the different parts of the Empire, Lord Derby said that in Australia a good start had been made with the experimental farms. One of the Corporation's representatives had already visited Fiji to report on its possibilities as a cotton-growing area. A similar report was also being prepared with regard to New Guinea.

In South Africa the prospects until quite recently were very favorable, but there had been an abnormally heavy rainfall late in the season. Encouraging reports had come from southern Rhodesia. In the Sudan there had been continuous progress, not only in developing the Gezira as an irrigated area but to ascertain the possibilities of the southern Sudan as a rain-grown cotton field. In Tanganyika the great difficulty was the enormous area rendered practically useless by the presence of bush infested with the tsetse fly.

"I am glad to see," continued Lord Derby, "that the oft-repeated accusation that Lancashire had imposed cotton growing on the natives in her own interests had been definitely contradicted. Personally I have always thought that this was an absurd thing, and have been convinced that if it might be possible to compel natives to grow a particular kind of crop for a year or two it would be quite impossible to compel them to grow it in ever-increasing quantities unless they liked the work."

The constant need in all parts of the Empire was for trained men. There was no doubt that the Empire Cotton Growing Corporation would place as many men as they could train.

Colonel French, speaking with regard to India, stated that they would see a steady improvement in the quality of Indian cotton as it has been known in Lancashire in the past, resulting from the combined work of the Indian Central Cotton Committee and Agricultural Departments.

### Arkansas Manufactures, 1923.

The biennial census of manufactures, 1923, shows that the value of products (at factory prices) of manufacturing establishments in Arkansas aggregated \$173,085,000. This aggregate represents an increase of 45.4 per cent, as compared with \$119,029,000 in 1921. These figures relate to manufacturing establishments whose output during the year was valued at \$5000 or more.

The average number of wage-earners employed during 1923, 44,544, exceeded by 33.2 per cent the number reported for 1921, 33,431, and the total wage payments in 1923, \$37,866,000, show an increase of 36.2 per cent, as compared with \$27,804,000 in 1921.

The "lumber and timber products" industry (embracing

logging camps and sawmills) is the leading one in Arkansas as measured either by number of wage-earners or by value of products. In this industry the average number of wage-earners employed during the census year increased from 20,769 in 1921 to 27,325 in 1923, the per cent of increase being 31.6, and the value of products increased from \$44,022,000 in 1921 to \$73,468,000 in 1923, the rate of increase being 66.9 per cent.

The following table presents statistics for the leading manufacturing industries in Arkansas, listed in the order of their importance as measured by the average number of wage-earners employed in 1923. (The glass and men's-clothing industries, which ranked eleventh and eighteenth, respectively, in number of wage-earners, are not shown in this table in order to avoid disclosing the operations of individual establishments.) The figures for 1923 are preliminary and subject to such correction as may be found necessary upon further examination of the returns.

SUMMARY FOR ARKANSAS MANUFACTURES, 1923 AND 1921. (Industries listed according to average number of wage-earners employed during 1923.)

	Census year	Number of Wage estab-lishments (average number)	Wages	Value of products
Total, all industries .....	1923	1,231	44,544	\$37,865,864
	1921	1,289	33,431	27,804,064
Lumber and timber products, not elsewhere classified.	1923	441	27,325	20,056,729
	1921	451	20,769	14,071,318
Car and general construction and repairs, steam and railroad repair shops .....	1923	13	4,484	6,662,198
	1921	14	2,814	4,364,380
Lumber, planing-mill products, not made in planing mills connected with sawmills...	1923	37	1,321	1,155,516
	1921	39	1,095	908,400
Oil, cake and meal, cottonseed .....	1923	28	937	466,375
	1921	34	1,129	813,319
Furniture .....	1923	11	929	717,641
	1921	14	588	532,012
Wood, turned and carved .....	1923	29	600	442,548
	1921	26	402	284,090
Ice, manufactured.	1923	81	555	519,290
	1921	73	473	497,668
Printing and publishing, newspapers and periodicals .....	1923	106	542	770,871
	1921	116	572	794,226
Clay products (other than pottery) and non-clay refractories.	1923	14	491	413,160
	1921	14	340	271,320
Bread and other bakery products.	1923	77	465	452,254
	1921	95	380	390,472
Cooperage* .....	1923	5	404	252,663
Smelting and refining, zinc* .....	1923	3	404	584,198
Foundry and machine-shop products, not elsewhere classified.	1923	27	399	490,865
	1921	32	321	434,254
Canning and preserving, fruits and vegetables...	1923	29	393	116,768
	1921	10	102	37,077
Confectionery and ice cream .....	1923	34	362	299,608
	1921	37	308	287,574
Printing and publishing, book and job .....	1923	28	345	451,489
	1921	31	306	394,253
Motor-vehicle bodies and parts....	1923	9	308	248,978
	1921	5	41	46,423
Boxes, wooden packing, except cigar boxes .....	1923	6	303	230,024
	1921	6	212	216,469
All other industries .....	1923	253	3,977	3,534,689
	1921	292	3,579	3,460,809

\*Not shown separately for 1921 in order to avoid disclosing operations of individual establishments.

The city of Knoxville, Tenn., has voted a bond issue of \$2,250,000 for the erection of school buildings.

## Construction Started on \$3,000,000 Hotel at Washington.

Building operations have begun on the new Carlton Hotel, which is being erected at 16th and K streets, Washington, by the Wardman Construction Co., Inc., at a cost of approximately \$3,000,000. The building will be eight stories high,



NEW CARLTON HOTEL, WASHINGTON.

occupying a site 185 by 105 feet, and will contain 250 rooms and baths. It will be of Italian Renaissance architecture and will carry a spacious and modernly appointed roof garden. Wardman & Waggaman of Washington are the architects.

## Convention of Intercoastal Canal Association.

Port Arthur, Texas.—President C. S. E. Holland, Houston, of the Intercoastal Canal Association of Louisiana and Texas, announces that the twenty-first annual convention of the association will be held at Port Arthur on October 23 and 24. An important feature of the convention will be an endeavor to obtain ratification of the action of the board of directors in deciding a three-year program looking to the completion of the entire waterway from New Orleans to Corpus Christi. Congress has already authorized the construction of the canal from a point near New Orleans to Galveston, this section to cost about \$9,000,000.

## Census of Louisiana Manufactures, 1923.

According to the Department of Commerce the 1923 census of manufactures shows the value of products (at factory prices) of manufacturing establishments in Louisiana aggregated \$624,683,000. This aggregate represents an increase of 30.4 per cent, as compared with \$479,100,000 in 1921. These figures relate to establishments whose output during the year was valued at \$5000 or more. The elimination of smaller establishments has only a slight effect on the totals.

The average number of wage-earners employed during 1923, 94,597, exceeded by 11.1 per cent the number reported for 1921, 85,170, and the total wage payments in 1923, \$83,031,000, show an increase of 8.2 per cent, as compared with \$76,761,000 in 1921.

The "lumber and timber products" industry is the leading one in Louisiana, as measured either by number of wage-earners or by value of products. In this industry the average number of wage-earners employed during the census year increased from 39,051 in 1921 to 44,316 in 1923, the per cent of increase being 13.5, and the value of products increased

from \$91,958,000 in 1921 to \$132,682,000 in 1923, the rate of increase being 44.3 per cent.

The following table presents statistics for the leading manufacturing industries, listed in the order of their importance as measured by the average number of wage-earners employed in 1923. (The "sugar, cane, not including products of refineries" industry, which ranked fourth in number of wage-earners, is not shown in this table in order to avoid disclosing the operations of individual establishments.) The figures for 1923 are preliminary and subject to such correction as may be found necessary upon further examination of the returns.

### SUMMARY FOR MANUFACTURING INDUSTRIES IN LOUISIANA, 1923 AND 1921.

(Industries listed according to average number of wage-earners employed during 1923.)

	Census year	Number of wage-earners (average number)	Wages	Value of products
Total, all industries .....	1923	1,781	94,597	\$83,030,577
	1921	1,851	85,170	76,761,093
Lumber and timber products (logging and sawmill operations) .....	1923	305	44,316	35,456,043
	1921	305	39,051	30,513,849
Car and general construction and repairs, steam-railroad repair shops .....	1923	27	5,255	6,746,487
	1921	30	4,528	6,943,863
Petroleum refining .....	1923	13	4,209	6,726,339
	1921	16	4,164	7,258,888
Turpentine and rosin .....	1923	29	2,313	1,116,279
	1921	26	2,628	1,089,322
Cotton goods .....	1923	3	2,024	1,108,509
	1921	3	1,774	975,942
Sugar refining, cane .....	1923	4	1,884	1,497,527
	1921	4	2,751	1,986,501
Bread and other bakery products .....	1923	199	1,855	1,764,283
	1921	226	1,859	1,767,212
Foundry and machine-shop products, not elsewhere classified .....	1923	66	1,698	2,043,384
	1921	78	1,415	1,879,185
Cigars and cigarette .....	1923	20	1,432	878,851
	1921	21	1,288	791,883
Clothing, men's .....	1923	14	1,272	719,243
	1921	14	918	457,029
Boxes, wooden packing, except cigar boxes .....	1923	11	1,160	797,520
	1921	17	1,353	961,546
Bags, other than paper, not including bags made in textile mills .....	1923	6	1,095	688,144
	1921	6	952	572,199
Food preparations, not elsewhere classified .....	1923	25	1,085	748,088
	1921	28	716	457,446
Lumber, planing-mill products, not made in planing mills connected with sawmills .....	1923	46	1,058	1,157,430
	1921	50	975	1,082,925
Paper and wood pulp .....	1923	7	974	986,664
	1921	5	402	415,155
Ice, manufactured .....	1923	87	919	984,273
	1921	72	785	898,491
Tinware, not elsewhere classified .....	1923	4	889	701,225
	1921	4	644	545,288
Rice cleaning and polishing .....	1923	32	883	588,644
	1921	40	1,183	889,387
All other industries .....	1923	883	20,276	18,321,644
	1921	906	17,784	17,274,982
				134,246,619

## To Select Architect for \$300,000 Church.

Arrangements are being made by the Methodist Episcopal Church South of Ashland, Ky., Rev. Charles N. Clark, pastor, for the erection of a new \$300,000 building there. Mr. Clark advises the MANUFACTURERS RECORD that the selection of an architect will be made within the next two weeks. The building will be of Gothic architecture, with separate units for educational and recreational work. Construction is expected to begin early in the fall.

## Concrete Buildings Withstood Tornadoes.

Portland Cement Association.

Chicago, May 18.

### *Editor Manufacturers Record:*

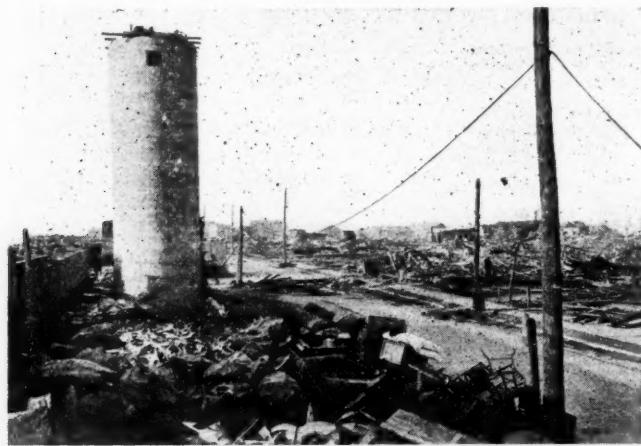
I was surprised by a statement in Mr. Gauff's article on the southern Illinois tornado, published on page 93 of the MANUFACTURERS RECORD, May 14. In commenting on a snapshot photograph, it was said that "it shows that no form of construction yet devised will withstand such terrific force, as both the concrete and brick walls gave way." The statement exaggerates the facts. An illustration of one failure, or even "161 city blocks of buildings completely demolished," does not justify the conclusion that "no form of construction



CONCRETE SILO WITHSTANDS TORNADO

yet devised will withstand such terrific force" as is developed in a tornado.

I am enclosing a photograph of two concrete coal pockets which stand in the midst of the 161 devastated city blocks at Murphysboro and which withstood the storm without damage. The Anchor Ice Company's concrete garage stood unharmed, while the ice plant alongside was destroyed. The concrete silo belonging to C. H. Clay stood in the path of the storm at Murphysboro undamaged, although a fine barn beside it was destroyed. A concrete chimney over 100 feet high belonging to the Orient Mine, No. 2, the largest coal



CONCRETE COAL POCKETS STAND AMID RUINS

mine in the world, stood in the middle of the tornado path through West Frankfort without damage, although a large steel tank a short distance away was lifted from its foundations and destroyed.

In March, 1913, a disastrous tornado struck Omaha, Neb., sweeping a path through the city over 5 miles long by one-quarter to one-half mile wide, causing the destruction of \$5,000,000 worth of property and the loss of 135 lives. A

building of the University of Nebraska Medical School stood directly in the path of the storm and suffered no damage other than breakage of windows, doors and interior partitions, although surrounding buildings were demolished. This medical building had reinforced concrete columns and floors with brick walls laid up in cement mortar.

Reinforced concrete structures, designed according to modern principles, withstand the effects of tornadoes without damage other than windows, doors and other accessory parts.

C. D. HALE.

## To Finance Work of Tennessee River Improvement.

Chattanooga, Tenn.—Delegates attending the recent convention in this city of the Tennessee River Improvement Association voted an appropriation of \$60,000 for the advancement of the association's work during the coming year. This action was taken after a number of prominent speakers had stressed the point that the association's plan of developing the Tennessee River and its tributaries along lines suggested by Major H. C. Fiske, U. S. District Engineer, Chattanooga, constituted one of the most important movements ever undertaken in the interests of greater development of navigation and hydro-electric possibilities of inland waterways in the United States. The Chattanooga Chamber of Commerce, through civic bodies, is endeavoring to raise this city's quota of \$12,000 toward the fund needed by the association.

As outlined at the convention by Dr. W. G. Waldo, chief engineer of the association, plans for developing the river system call for the construction of 12 navigation and power dams between Muscle Shoals and the origin of the Tennessee and Clinch rivers. When completed these dams would serve the dual purpose of producing vast quantities of primary power and of acting as a great slackwater reservoir system, assuring uninterrupted flow for the operation of the Government dams at Muscle Shoals and largely increasing the efficiency of these developments from a primary power standpoint. It is estimated that the complete system of proposed dams will have a capacity of more than 2,000,000 horsepower per 12-hour day.

As a result of the five years' Government survey under the direction of Major Fiske, it is said that dam sites have not only been selected, but that the work has reached a point where private capital has applied to the Government for permission to build each of the dams without expense to the Government in exchange for power rights.

## Contracts for \$2,000,000 Masonic Temple.

New Orleans, La.—Contracts to an aggregate of \$1,712,032 have been awarded for the new building to be erected here by the Grand Lodge of Louisiana, A. F. & A. M., John A. Davilla, grand secretary, New Orleans. Complete estimates, including furnishings and equipment, place the cost of the structure at more than \$2,000,000. It will be 18 stories high, 100 by 165 feet, with pile foundation, concrete and hardwood floors and composition roof. Sam Stone, Jr., of this city is the architect.

The following have been awarded contracts: James Stewart & Co., St. Louis, general contract; Virginia Bridge & Iron Co., Roanoke, steel construction; Union Electric Plumbing & Heating Co., New Orleans, plumbing; J. W. Hull Plumbing & Heating Co., Memphis, Tenn., ventilation; Rantz Engineering & Machine Works, New Orleans, refrigerating plant; Cutler Mail Chute Co., Rochester, N. Y., mail chute, and the Rogers Higgins Co., New Orleans, oil-burning equipment.

Construction is expected to begin within 90 days and to be completed within 18 months.

## THE IRON AND STEEL SITUATION

### Favorable Steel Sentiment Continues.

Pittsburgh, June 1—[Special.]—The general tone of the steel situation has undergone a further and more decided improvement in the past week. The better feeling and more hopeful attitude in the trade, among buyers and sellers alike, is due not so much to there being strictly favorable developments as to there being an absence of unfavorable trends. The point is that the steel trade moves in swings; roughly speaking a year or more before the war, six months or more since the war and when buying, prices and production successively turned downward earlier in the year it was expected the course would continue through July at least. The swing, however, is already interrupted. With the exception of sheets, finished steel products have not declined in price for more than five weeks, and some lines have looked a trifle stiffer in the past week. Buying seems to have been a trifle heavier in May than in April, and certainly it was no lighter as the trade had been disposed to expect. Finally, while steel mill operations may be trending slightly downward, there has been little decrease in the past three weeks, approximately a 70 per cent operation being maintained. This compares with 93 per cent in March, 91 per cent in the March quarter and an average of 74 per cent in the two years 1923 and 1924.

Black and galvanized sheets have declined further in the week by about \$2 a ton, blue annealed sheets being easier and automobile sheets unchanged. The market is quotable at 3.20c to 3.30c for black, 4.20c to 4.40c for galvanized, 2.40c for blue annealed and 4.40c for automobile sheets. Prices passed below cost level some time ago in the effort of individual mills to maintain a very high rate of operation. Some buyers have now shown a disposition to contract for third quarter at present prices, the overtures being turned down by mills, and the prospect increases that the sheet market will at last stiffen. In other steel lines there is no disposition to buy ahead, and the mills are not concerned with that, their hope being that consumption will be heavy, whereupon buying will take care of itself.

Steel consumption has been heavier in the past two months than for a long time previously. There are no prospects of increases, but there is little prospect of important decreases in the second half of the year. That consumption is very heavy is shown by reports from various consuming lines, also by the fact that steel shipments continued at nearly, if not quite, 70 per cent of steel-making capacity. When there was such heavy production in the first three months of the year, and all buyers are strongly disposed to liquidate stocks if they have any, very heavy consumption is proved or shipments would already have been forced down to a much lower rate. Last year steel production dropped from 93 per cent in March to 42 per cent in July, and recently the trade was fearful that something of the same sort, though not as sharp, would occur this year. Now the balance of probability is that July operations will not even be down to 60 per cent.

The oil trade has had unfavorable statistics for drilling prospects since early in the year, but the outlook is now suddenly improved. The recent large increases in oil production were almost wholly in heavy oil, and the last week reported shows decreases in both light and heavy, while oil prices are stiffening. The drilling outlook is said to be distinctly improved, and as a practical fact pipe mills report slightly heavier buying of oil-country tubular goods in the past week or two.

The one distinctly unfavorable outlook as to steel consumption is in freight-car building, there having been no important car buying for many weeks past except the St. Paul

5 purchases of 5500 cars three weeks ago. The railroads may, however, decide to remedy this situation.

Over a fortnight ago foundry pig iron at valley furnaces, long stagnant, declined \$1, and buying at once improved slightly. There has since been a further decline of 50 cents and buying has increased sharply, with purchases for delivery through September. The present market, \$18.50, is the lowest since September, 1916. Only three times since the war had the market gone below \$20, and then only for relatively short periods, so that the present buying is quite natural. Bessemer and basic remain inactive.

Heavy melting steel scrap has advanced 50 cents, the third advance of 50 cents in three weeks. It required only light buying to advance the market, offerings being scant.

Connellsville coke is stagnant as to spot furnace, while there is a sluggish contracting movement for delivery after July 1. Spot foundry coke has sold more freely and there is much more inquiry, this being along the same line as reported by furnacemen, that iron foundry operations are increasing.

### More Inquiries and Improved Market Tone.

Birmingham, Ala., June 1—[Special.]—Better tone to inquiries and more of them has brought about improved conditions, a few sales of greater aggregate than for some time past adding to the encouragement taken on by Southern producers of pig iron. The sales so far are not altogether satisfying, but the expectations are that a buying movement is about to start, and when in action a short while this will eliminate the need for further adjustment of the production. It is now believed that but one other blast furnace will be shut down in the general line of readjusting the make to meet conditions. Considerable iron has been piled on yards, but the surveys indicate that several of the larger melters of iron will have a steady season and will need the product. The furnace interests have been announcing the same price base, \$22 per ton, No. 2 foundry, but reports continue that sales have been made at \$20. Tennessee furnace companies have been selling at \$18.50 per ton, Birmingham, which includes the freight differentials. However, there is a difference in this iron.

The larger consumers of iron include the cast-iron pressure-pipe makers. These interests have many lettings in hand and shipments of the product will be steady indefinitely. The radiator works has lost very little time in many months and there has been a constant melt of iron. The soil-pipe and fittings trade has been lagging for several weeks, and reports are current that price cutting has brought the production costs and selling prices almost to the same level. The sales of this product are not reported as very heavy. The stove foundries, which use a little iron, are preparing for an active trade.

Foundries and machine shops in the district are reporting better conditions. The Joubert & Goslin Machine & Foundry Co. has taken on some work from Cuba for sugar-machine evaporators work. The Birmingham Machine & Foundry Co. is manufacturing soil pipe and fittings, and a recent addition of a department for the manufacture of gasoline pumps is providing much work. This company is stocking a warehouse with the pumps at Havana, the prospects being bright for the establishment of a number of filling stations in Cuba. The Hardie-Tynes Manufacturing Company has recently taken on a number of contracts for various things produced in its new and modern shops, and a large number of men are being given employment. Other machine shops and foundries of

the district are receiving contracts and are showing a little impetus in their production.

Better feeling is also noted in the steel circles of this district. The overhead railroad line of the Tennessee Coal, Iron & Railroad Co., extending between the steel mills and the ore supplies, is in operation and this will expedite the hauling of the ore. The four open-hearth furnaces of the Tennessee Coal, Iron & Railroad Co. at Fairfield are to be in full operation in the next few days. The sheet mills are being worked on. Additional business is reported in steel shapes, the Southern railroads having purchased liberally of rail and other appurtenances. The Gulf States Steel Company will push the work on the bar mill being added to the Gadsden plant. The tank and tank car plant of Reeves Bros., Inc., at Woodlawn will be completed within a few weeks.

Return to Birmingham of Judge E. H. Gary, chairman of the board of directors and finance committee of the United States Steel Corporation, who is prepared to remain a week or longer, is taken to have significance. Judge Gary and a majority of the finance committee spent four days here a month ago and inspected the various operations of the Tennessee Coal, Iron & Railroad Co. The announcement of Judge Gary coming back, just to spend a week or so with Mrs. Gary here, aroused interest in industrial circles, and statements from him are being eagerly awaited. It is known that he holds a strong opinion of the Birmingham district and has vision of greater possibilities here.

The coal mining trade is a little sluggish, the production being below 340,000 tons the week. However, in comparison with other districts this is considered good. Prospects are bright for the remainder of the year. The railroads have renewed contracts. Sharp competition is said to have followed in getting this business. Shipping coal promises to be good and movement of the product to the Gulf will be steady from now on.

The Birmingham coke market is good, comparatively speaking. The quotations range around \$5 per ton, foundry coke, both independent and furnace companies operating their by-product plants to capacity. The shutting down of a number of beehive ovens recently has not affected the coke market to any extent. Two independent companies are still producing beehive coke and finding a ready market. The Barrett Company, tar products, is building a number of ovens for the carbonizing of tar, a pitch coke to be manufactured. This company has been using beehive ovens at Virginia mines in the manufacture of the product, a premium being paid for the output.

The scrap iron and steel trade is showing a little more life, but quotations remain low. The several dealers in the district are preparing and moving much old material. No long-time contracts for old material are reported.

The Portland cement market is exceedingly active, and every ton of the product being manufactured is finding steady demand and is shipped as quickly as produced. Steel reinforcing concrete bars are in good demand. The little rolling mill in this district, featuring this product, is finding a strong market for its output.

#### PIG IRON.

No. 2 foundry, 1.75 to 2.25 per cent silicon, f. o. b. furnaces, \$20.00 to \$22.00; No. 1 foundry, 2.25 to 2.75 per cent silicon, \$20.50 to \$22.50; iron of 2.75 to 3.25 per cent silicon, \$21.00 to \$23.00; iron of 3.25 to 3.75 per cent silicon, \$21.50 to \$23.50; iron of 3.75 to 4.25 per cent silicon, \$22.00 to \$24.00; charcoal iron, f. o. b. furnaces, \$30.00.

#### OLD MATERIAL.

Old steel axles	\$17.00 to \$18.00
Old iron axles	18.00 to 19.00
Old steel rails	13.00 to 14.00
Heavy melting steel	13.00 to 14.00
No. 1 cast	16.50 to 17.00
Stove plate	13.00 to 14.00
No. 1 railroad wrought	12.00 to 13.00
Old car wheels	15.00 to 16.00
Old tramcar wheels	16.50 to 17.00
Machine shop turnings	7.00 to 8.00
Cast-iron borings	8.00 to 9.00
Cast-iron borings (chem.)	15.00 to 16.00

## RAILROADS

### RAILROAD EXPENSES WELL-NIGH

\$5,000,000,000.

#### Fuel Costs Showed Decrease but Taxes a Large Increase in 1924—Effects of Efficiency.

Expenditures made by Class 1 railroads in 1924 for wages, materials, supplies and improvements totaled \$4,847,700,000, according to reports for the year just received by the Bureau of Railway Economics from the railroads of this country. A large part of this sum went directly to domestic industries, through which it reached wage-earners, thus contributing to a large extent, to the general prosperity. The principal expenditures divided as follows:

Wages paid for maintenance and operation	\$2,629,902,000
Materials purchased, including fuel	1,343,055,000
Capital expenditures (including new equipment and improvements)	874,743,000
 Total	 \$4,847,700,000

This amount, however, does not include approximately \$340,000,000 paid in taxes by the railroads, or an average of \$929,000 per day, or \$20,000 a day more than in 1923. It also does not include \$510,000,000 paid out in interest charges by the Class 1 carriers, or \$310,000,000 paid out in dividends; but the total principal expenditures of the railroads in 1924 showed a decrease of \$735,400,000 as compared with 1923.

Fuel as well as materials and supplies, which cost the railroads \$1,343,055,000 in 1924, showed a decrease of \$395,648,000, or 23 per cent, as compared with 1923. This decrease resulted in part from the fact that the railroads purchased less materials in 1924 than in 1923 owing to their somewhat smaller programs for maintenance, additions and betterments, on one hand, while some of the stocks in storage were drawn out heavily during the year. At the same time greater efficiency in operation played no small part in reducing the consumption of train and engine supplies. Declines in the unit cost of many materials during 1924, particularly bituminous coal, the largest single item purchased by the railroads, also had the effect of reducing expenditures.

Fuel during 1924 cost the railroads \$471,656,000, a decrease of nearly 24 per cent under the year before. This decrease was brought about through a reduction in the actual number of units purchased because of greater conservation in the use of coal as well as because there was a decrease of 6 per cent in the volume of freight traffic as compared with 1923.

Bituminous coal alone cost the railroads \$373,483,000 in 1924, a total of 126,372,000 net tons having been purchased, compared with \$519,007,000, which was paid for 154,902,000 tons in 1923. Thus while 18 per cent less tons were purchased during 1924 than the year before, the total outlay was 28 per cent less. The outlay for anthracite coal in 1924 was \$14,497,000, or 20 per cent less than in 1923, while only about 7 per cent fewer tons were purchased. Class 1 railroads in 1924 purchased approximately 26 per cent of the total bituminous coal production of the United States and 5.2 per cent of the anthracite production.

The railroads in 1924 expended \$180,872,000 for forest products, a reduction of 22 per cent under the year before. Of that amount, \$111,442,200 was spent for crossties, 11 per cent less than in 1923, while 14 per cent fewer ties were purchased during the past year compared with the year before.

More than 27 per cent of the total steel production of the United States was purchased directly by the railroads or for them through equipment manufacturers in 1924. Total expenditure for iron and steel products made direct by the

railroads during the year was \$365,610,000. This was 21 per cent less than the expenditure for that purpose in 1923, and in tonnage they purchased nearly 21 per cent less.

Approximately 2,210,800 barrels of cement were bought directly by the railroads during the year, or 8.5 per cent less than the year before. The total purchase price in 1924 was \$5,141,000, or 16 per cent less than 1923. This does not include, however, direct purchases made by contractors on construction.

Approximately 14,365,000 cubic yards of ballast were purchased in 1924 at a cost of \$12,608,000; but as many lines maintain their own gravel pits and stone quarries for ballast supplies, the quantity is considerably less than is actually utilized by all the lines for maintenance and construction.

Lubricating oil and grease cost \$13,158,000 during the past year, a decrease of \$2,520,000 compared with the year before, while for brass, copper, zinc and various other non-ferrous metal products needed in railway operation the railroads spent \$39,049,000, or 32 per cent less than in 1923.

### New Record in Freight for This Season.

Loadings of revenue freight on the railroads during the week ended May 16 totaled 984,916 cars, according to reports filed by the lines with the car service division of the American Railway Association. This was the largest number of loadings in any week since January 1, exceeding by 3546 cars the total of the week of May 9 and by 3205 cars the previous high record established in the week of May 2. Besides, the total for the week of May 16 showed an increase of more than 71,000 cars as compared with the corresponding week of last year, although it was about 7400 cars less than the total of the same week two years ago.

For the first 20 weeks of this year—from January 1 to May 16, inclusive—18,434,894 cars were loaded with revenue freight, the greatest number on record as compared with any corresponding period in other years. It exceeds by 613,699 cars, or 3.4 per cent, the corresponding period of last year, and by 425,211 cars, or 2.4 per cent, the corresponding period in 1923. This record traffic is being handled without car shortage. Instead, on May 14 the railroads had 330,433 surplus freight cars in good repair and ready for service, while at the same time last year, when traffic was much less in volume, there were no more than 319,106 surplus freight cars, and on May 14, 1923, demands for freight cars exceeded the supply.

### Cars and Engines Put in Service.

Freight cars placed in service during the first four months this year totaled 57,926, according to reports just filed by the Class 1 railroads with the Car Service Division of the American Railway Association. This was an increase of 11,505 over the number placed in service during the corresponding period last year. Of the total number installed from January 1 to April 30, this year, 30,319 were box cars, an increase of 7733 over the same period last year. There were also 20,704 coal cars placed in service, or 5023 more, also 2422 refrigerator cars and 2416 stock cars. During April alone freight cars installed totaled 13,773, which included 7654 box cars, 4709 coal cars and 48 refrigerator cars. Freight cars on order on May 1 totaled 43,301.

Class 1 railroads during the first four months this year also put in service 601 locomotives, of which 171 were placed in service during April. Locomotives installed during the first four months last year numbered 758. The railroads on May 1 this year had 340 locomotives on order.

### SARASOTA TO FORT OGDEN, FLORIDA.

#### Atlantic Coast Line to Spend \$900,000 for Line to Develop Farming and Timber Lands.

An extension of 39 miles is to be built by the Atlantic Coast Line in Florida, beginning at a point near Sarasota on the west coast of the peninsula and running southeast through Manatee and De Soto counties to a point near Fort Ogden, which is on the Fort Myers branch of the system. According to the authorization given by the Interstate Commerce Commission for the construction of the extension, work must begin on or before July 1 of this year and must be completed within two years. It is estimated that the cost of the line will be \$23,000 per mile, which would make the total approximately \$900,000.

The new line will traverse farming and timber lands which will be developed by its construction, although, according to the Tampa Tribune, the region is already well advanced, and the railroad when complete will make shipments possible from 50,000 acres of rich trucking and citrus fruit lands. In addition to these shipments, there will be the traffic to come from the gathering of 92,000 acres of virgin timber. It is further stated that the proposed construction will shorten the distance from Tampa to Fort Myers by about 25 miles.

D. C. Gillett of Tampa is president of the Tampa Southern Railroad, of which the new line will be an extension, and the Atlantic Coast Line, which operates the subsidiary, will, it is stated, finance the construction without an issue of securities, and the work will be done under the direction and supervision of its engineers.

### Large Shipments of Texas Onions.

Laredo, Texas, May 29—[Special.]—Enormous profits were made by Bermuda onion growers in the Laredo district during the season which closed a few days ago. A total of 1620 cars were shipped, going principally to Eastern and Northern markets. The shipping season opened March 24, when the first carload brought the usual premium and fancy price, and then by April 1 the rush of shipments to market began. The demoralization of the onion market was threatened by the heavy shipments and the prices declined.

On April 12 a mass-meeting of the onion growers of the Laredo district was held in Laredo, attended by more than 90 per cent of the growers. It was decided to appoint a growers' shipping and marketing committee, headed by James O'Keefe and Joseph Rosenblum, to take charge of the onion shipments and prorate the number of cars each grower was to ship each day. This schedule of shipments was put into effect immediately and a market that was threatened with demoralization was immediately revived.

In the Eastern markets Texas Bermuda onions soared to the highest prices in late April and during the month of May ever before known. The growers' committee maintained a record high price to the very end of the shipping season.

### Large Contract for Passing Tracks.

Gus Ginn of Gastonia, N. C., has been given a contract by the Atlantic Coast Line to build several side and passing tracks near Montgomery, Ala. The earth excavation will run approximately 200,000 cubic yards and several miles of track will have to be constructed.

The city of St. Augustine, Fla., C. G. Oldfather, auditor and clerk, has sold an issue of \$1,074,000 bridge and water-works bonds to the Florida National Bank, Jacksonville, and Marx & Co., Birmingham, for \$1,074,309.80.

## GOOD ROADS AND STREETS

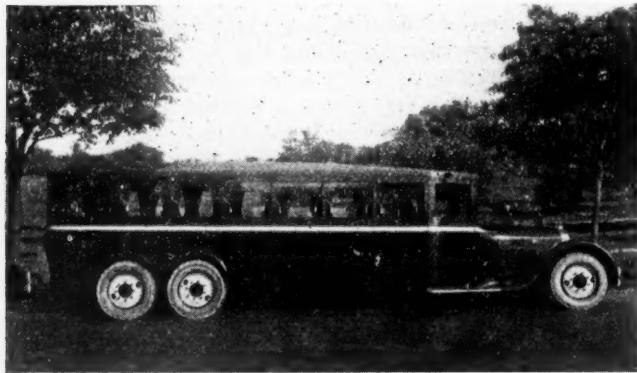
### New Features in Busses Adopted by Washington Traction Company.

The Six-Wheel Company, Philadelphia, Pa., has delivered a fleet of Safeway six-wheel coaches to the Washington Railway & Electric Co., Washington, D. C.

Many striking features are embodied in this type of coach. For example, the radiator, engine, transmission and clutch are combined and can be removed as a single unit. It requires but a few minutes to detach the unit from the chassis and swing it free so that adjustments may be made quickly, or if better service is required a spare power unit may be promptly installed. The rear truck is removable as a unit and repairs may be made in a short time, or a spare unit

and trim pads are mohair. Metal fittings are of stain-silver finish.

The company also produces the Safeway six-wheel city coach, which has many qualities typical of the motor passenger coach intended for city operation. It is built high enough to permit ample headroom for standing. The aisle is sufficiently wide to accommodate 40 to 50 persons sitting and standing, the seating capacity being 27. The body is all metal, with removable side panels. Grab rails extend the entire length on both sides of the coach, with two additional perpendicular hand rails in the space provided for persons standing. There is an emergency door at the rear on the left. Entrance is on the right in front, with a convenient entrance step. The window sashes are in two sections, the lower being adjustable. Safety guards or bars are mounted outside each window.



NEW FEATURES IN CHASSIS AND BODY.

put in as needed. In design and construction the coach is intended, say its producers, to meet the exigencies of operation and to permit no emergencies to interfere with its earning power.

The Safeway Deluxe parlor coach shown herewith is as beautiful in appointments as a private limousine, and clearly indicates the refinements in present-day motorbus transportation. It is painted a rich mahogany, striped with gold and cream, and with cream wheel centers. The interior appointments are of the same quality. Twenty-seven passengers are carried, the seats being ample reed chairs, with deep springs and upholstered backs. In the rear is a broad, davenport-type seat. The windows are shaded with curtains decorated with cords and tassels, and individual silk bell cords hang at each seat. Ash receivers are provided for smokers. In the roof are large-sized ventilators. The floor is covered with linoleum and velvet Wilton carpet, so placed that it can be removed without taking out the seats. Headlining

### New Road Program in Hillsborough County Would Cost \$3,355,000.

Tampa, Fla., May 29.—Having just completed a paved road-building program entailing an expenditure of \$3,000,000, Hillsborough county, of which Tampa is the county seat, has prepared another program of road and bridge construction to cost \$3,355,000, according to estimates, making the total expenditure of this one county for paved roads more than \$6,250,000 within a period of about three years.

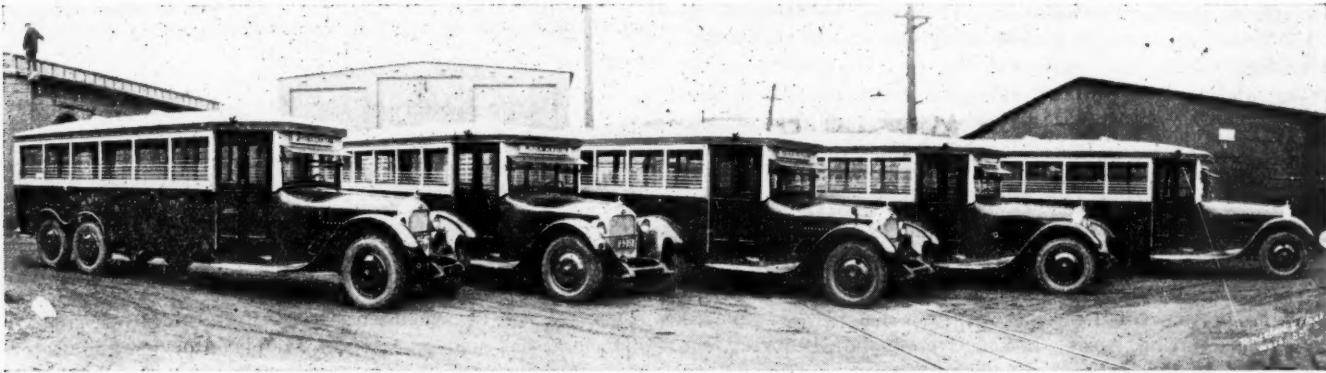
Fourteen projects are included in the new program which has been approved by the county commissioners and the legislative committee of the Tampa Board of Trade, and special bills covering the different projects are now pending in the legislature, which is expected to pass them before adjournment the first week in June.

### Considering \$2,000,000 of Road Construction.

St. Augustine, Fla.—A tentative program of road construction covering a total of 100 miles, to cost \$2,000,000, is being considered by St. John's county commissioners. Preliminary estimates of cost have been made by the Peter Kendrick Engineering Co. of this city.

### Levy County to Issue \$1,500,000 of Bonds.

Bronson, Fla.—At a special meeting recently of the Levy County Commissioners, W. R. Hodges, chairman, and a number of citizens, it was agreed that the county should issue \$1,500,000 of bonds for the construction of roads. The bonds are to carry an interest rate of 5½ per cent and will mature in 20, 25 and 30 years.



FLEET OF SIX-WHEEL BUSES USED BY WASHINGTON TRACTION CO.

### Alabama Asks Bids on 38 Miles.

Montgomery, Ala.—Bids will be received until July 8 by the State Highway Commission for two road projects aggregating 38 miles. One will cover approximately 22 miles of gravel between Opelika and Lafayette in Lee and Chambers counties, while the other will cover 16 miles between Thomasville and Grove Hill in Clarke county. On the former, separate bids may be submitted on grading and drainage, surfacing and bridges, alternate bids to be taken on rawhide pavement. On the latter, proposals may be submitted on the roadway and on the bridges. Plans and specifications for both projects are on file at the office of the commission here, and for the Clarke county project at the office of the division engineer at Selma.

### Bids on Maryland Roads.

Lowest bids recently submitted to the Maryland State Roads Commission, Baltimore, on three road projects and two bridges total \$126,196. Work will consist of .78 mile of sheet asphalt in Baltimore to cost \$59,658; 1 mile of concrete in Somerset county, \$24,017; 1.12 miles in Worcester county, \$27,623; bridge over Great Tonoloway Creek in Washington county, \$8730, and one over Tonoloway Creek at Hancock, also in Washington county, to cost \$6168.

### St. Petersburg Paving to Cost \$4,000,000.

St. Petersburg, Fla.—Contracts have been awarded by the City Commission for nearly 1,000,000 square yards of brick and asphalt street paving to cost approximately \$4,000,000. The work was divided among four contractors and will cover about 66 miles of streets. Under an agreement with the city, all contractors are to begin work within 30 days, with the exception of one, who will first erect a plant.

### Missouri to Sell \$7,500,000 of Bonds.

Jefferson City, Mo.—Sealed proposals will be received by the Board of Fund Commissioners in the office of C. Eugene Stephens, state treasurer, Jefferson City, until June 10 for the purchase of \$7,500,000 of state road bonds. The bonds will bear an interest rate of 4½ per cent per annum, interest payable semi-annually.

### Notes on Good Roads Construction.

The city of Natchez, Miss., has voted a bond issue of \$500,000 for paving streets. L. A. Whittington is mayor.

Washington county, Mississippi, has voted a bond issue of \$150,000 to construct four sections of concrete road.

Garfield County Commissioners, Enid, Okla., have sold a \$350,000 road bond issue at a premium of \$19,427 and accrued interest.

Sealed bids addressed to James A. Burke, county judge, Alpine, Texas, will be received until June 12 for the construction of approximately five miles of state highway No. 3 in Brewster county.

The city of Dalton, Ga., Dr. J. G. McAfee, mayor, will receive bids until June 15 for street paving, including storm drainage, curbs and gutters. E. V. Camp and Associates of Atlanta and Jacksonville are the engineers.

Proposals will be received until June 15 by the Okaloosa County Commissioners, D. H. McCallum, clerk of the court, Crestview, Fla., for the construction of three sections of road, aggregating nearly 20 miles. Work will consist of clearing, grubbing, grading, drainage structures and sand-clay surface.

The District Coastal Highway Commission, Harvey Gran-

ger, chairman, Savannah, Ga., has sold a \$900,000 bond issue to the Citizens & Southern Co. of Savannah at \$916,858. These bonds are to cover the cost of a paved highway through a portion of Georgia to the Florida line.

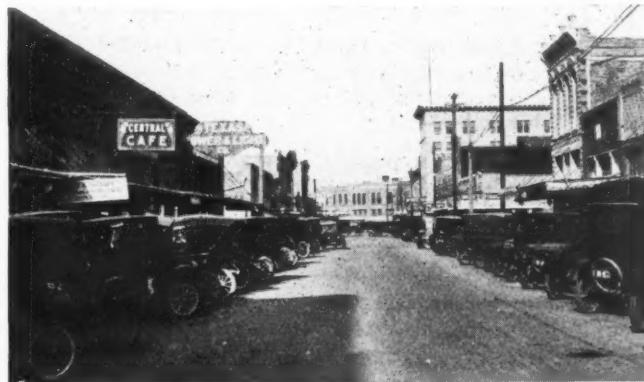
### Surface-Treatment in Brownwood, Texas.

By O. F. REYNAUD, The Texas Company.

Besides being one of the most prosperous municipalities in the heart of Texas, Brownwood has had for years the reputation of being one of the best paved cities in the state.

Many years ago officials undertook the problem of relieving the city from the dust nuisance. As a result, Brownwood today has developed an unusually fine system of asphalt-surfaced streets. The surfacing material purchased by this city in August, 1912, and each year since that time has been Texaco macadam binder, an asphaltic material containing about 85 per cent of asphalt.

Their bases being well compacted limestone and flint gravel, well drained and averaging in depth six to ten inches, the streets offered an excellent opportunity for an asphalt-surfacing material. The equipment on hand was very limited, consisting of a common-gravity type distributor, storage tank



CENTER AVENUE, BROWNWOOD, TEX.—MACADAM BINDER APPLIED IN 1920.

and hand shovels, but later proper steam connections and additional equipment were secured. The city secretary took the work in hand, and with the aid of an efficient crew of laborers applied the asphalt binder at the rate of about forty-five one-hundredths of a gallon to the square yard, covering it with chats at the rate of one cubic yard to about ninety square yards of surface.

The first stretch treated was resurfaced in 1922, and is in excellent condition today. Baker street, in the business section, originally constructed in 1908, was treated in 1922 and has not since been resurfaced. Center avenue, also in the business section, constructed in 1909, was treated about 1918, was resurfaced in 1920 and is in excellent condition today. There is a constant heavy traffic in the city.

The pavements present a very smooth, pleasing appearance, and might easily be mistaken for asphalt macadam or asphaltic concrete types.

The city has its own storage facilities and does the work itself. It has made plans for considerable additional work and is convinced that this is the solution to its problem of surfacing.

Local conditions, of course, will play a major part in the cost of this type of work, but for small towns, where funds for municipal improvements are limited, it appears from the example that Brownwood has set that a great deal can be done with a small amount of money. Care must be exercised in supervision and execution of this type of work if best results are to be expected.

# LUMBER AND BUILDING MATERIALS

## Lumber Industry in Continued Activity.

Washington, May 28.—Lumber orders for the week ending May 23 were nearly 25 per cent greater than for the corresponding week last year, according to telegraphic reports to the National Lumber Manufacturers Association from 376 of the leading commercial softwood lumber mills of the country. Shipments increased about 10 per cent and the increase in production was about 2 per cent. Compared with the preceding week there was apparently little change—shipments being larger and new business slightly less than for the preceding week—in the lumber movement. Cumulative orders for the year so far exceed 1924's record at this date by more than 103,000,000 feet.

The unfilled orders of 254 Southern Pine and West Coast mills at the end of last week amounted to 634,497,119 feet, as against 627,933,581 feet for 250 mills the previous week. The 135 identical Southern Pine mills in this group showed unfilled orders of 226,355,340 feet last week, as against 233,076,660 feet for the week before. For 119 West Coast mills the unfilled orders were 408,141,779 feet, as against 394,856,921 feet for 115 mills a week earlier.

Altogether the 376 comparably reporting mills had shipments 102 per cent and orders 98 per cent of actual production. For the Southern Pine mills these percentages were, respectively, 118 and 109, and for the West Coast mills 101 and 105.

Of the comparably reporting mills 351 (having a normal production for the week of 217,758,427 feet) reported production 106 per cent of normal, shipments 109 per cent and orders 106 per cent.

The following table compares the national lumber movement as reflected by the reporting mills of seven regional associations for the three weeks indicated:

	Past week	Corresponding week 1924	Preceding week 1925 (revised)
Mills	376	379	380
Production	248,928,966	244,316,595	248,955,920
Shipments	253,240,808	228,860,530	242,460,125
Orders	243,129,190	185,242,303	249,460,359

The following revised figures compare the lumber move-

ment for the first 21 weeks of 1925 with the same period of 1924:

	Production	Shipments	Orders
1925	5,037,813,766	4,972,096,784	4,845,465,633
1924	5,037,075,301	5,025,951,329	4,742,313,603
1925 Increase	738,465		103,152,030
1925 Decrease		53,854,545	

The Southern Pine Association reports from New Orleans that for the 135 mills reporting shipments were 18.31 per cent above production, while orders were 9.16 per cent above production and 7.73 per cent below shipments for last week. Of the 88 mills reporting running time, 68 operated full time, including 16 on overtime, 9 of the latter on double shift. Four mills were shut down and the rest operated from one to five days. Shipments gained more than 10,000,000 feet over the preceding week and orders were up about a million feet, while production fell off 3,000,000 feet.

The North Carolina Pine Association of Norfolk, Va., with five fewer mills reporting last week than for the week before, shows marked decreases in production and shipments and a good gain in new business.

## Refrigerator Plant to Be Enlarged.

Atlanta, Ga.—Twelve acres of land have been acquired by the Warren Co., adjoining its plant here, which increases its factory site to approximately 30 acres. It is the purpose of the company to double the production of commercial refrigerators, and it has commissioned Lockwood, Greene & Co. of this city to prepare plans for a large and modern distributing warehouse, to be equipped with overhead traveling electric crane for handling large plate glass and rough rolled glass.

A modern four-story paint factory will adjoin the warehouse, and a three-fire varnish stack will also be erected. A battery of storage tanks will be installed for receiving oils and spirits in tank cars. The new additions will embrace approximately 114,000 square feet of floor space and will be of steel and concrete construction. Improved machinery will be added to the mirror and beveling plant.

## LUMBER MOVEMENT FOR TWENTY WEEKS, AND FOR WEEK ENDING MAY 23.

	Production		Shipments		Orders	
	1925	1924	1925	1924	1925	1924
<b>Southern Pine Association:</b>						
Total	1,627,852,430	1,670,394,679	1,571,177,084	1,650,200,725	1,556,834,939	1,575,263,108
Week (135 mills)	73,497,145	76,255,154	86,951,760	80,676,984	80,230,440	69,226,872
<b>West Coast Lumbermen's Association:</b>						
Total	2,099,368,784	2,071,906,155	2,152,054,719	2,141,415,849	2,133,817,037	1,966,533,837
Week (119 mills)	107,965,917	95,278,716	108,560,676	92,327,773	113,526,550	76,482,371
<b>Western Pine Manufacturers' Ass'n:</b>						
Total	607,713,000	615,135,000	633,439,000	613,652,000	608,672,000	602,744,000
Week (34 mills)	33,355,000	35,232,000	26,836,000	25,086,000	23,742,000	20,825,000
<b>California Redwood Association:</b>						
Total	162,122,000	188,987,000	146,858,000	156,448,000	147,492,000	156,139,000
Week (15 mills)	6,949,000	9,999,000	8,716,000	7,193,000	6,402,000	5,339,000
<b>North Carolina Pine Association:</b>						
Total	176,395,052	169,961,767	173,249,181	169,694,855	139,526,657	143,955,658
Week (48 mills)	9,329,204	10,748,525	7,277,772	11,842,173	7,392,200	4,574,060
<b>Northern Hemlock and Hardwood:</b>						
(Softwood) total	59,074,000	46,624,000	52,232,000	48,797,000	41,312,000	41,300,000
Week (15 mills)	1,790,000	2,113,000	1,718,000	2,337,000	1,792,000	1,671,000
<b>Northern Pine Manufacturers' Ass'n:</b>						
Total	179,100,500	168,582,700	174,860,800	174,786,900	162,382,000	188,741,000
Week (10 mills)	12,583,700	11,600,200	11,188,600	7,382,600	8,413,000	6,176,000
General Total for 21 weeks	4,911,625,766	4,931,591,301	4,903,870,784	4,954,995,329	4,790,036,633	4,674,676,603
Northern Hemlock and Hardwood:						
(Hardwood) 21 weeks	126,188,000	105,484,000	68,226,000	70,956,000	55,429,000	67,637,000
California White and Sugar Pine:						
Total	297,532,000*	249,052,000	386,225,000	294,992,000	368,604,000	
Week (9 mills)	11,169,000	19,116,000	11,240,000	9,797,000	7,656,000	10,221,000
General total for week	248,928,966	244,316,595	253,240,808	228,860,530	243,129,190	185,242,303

\*Revised figures not included in General Totals. Represents about 75% total production California Pine region.

## MECHANICAL

### New Rotating Water-Stoper Drill.

In the new Class DU-48 rotating water-stoper drill here-with illustrated as it appears when at work in a copper mine the designers believe that they have ended the pioneering period of development of such devices and have brought forth a finished and standardized product for the mining industry. It is manufactured by the Sullivan Machinery

Company of Chicago, whose engineers designed it, taking over from the Sullivan rotators and mounted water-hammer drills principles and details which gave success to those machines for sinking, drifting, etc., and which were modified to suit the new stoper.

This latest product of the company is a valve drill and the valve and the piston motion follow the design of the DW-64 drifter. This valve motion gives a powerful piston blow, with sharp recovery, while end cushions in the cylinder provide the needed element of smoothness and balance in operation. In the water feature only sufficient is admitted through a needle valve in the water hose line to provide a thin paste of mud in combination with the cuttings which will run readily from the drill hole, but without causing unnecessary flooding. Air from the main line combines with the water to force the fluid through the tube and into the rear of the hollow drill steel. There is no leakage at the front end of the drill and the only water noticeable is that which falls from the drill hole itself.

NEW STOPER IN COPPER MINE.

The new stoper weighs 102 pounds. It has a cylinder diameter of 2 $\frac{1}{2}$  inches and is 54 $\frac{1}{4}$  inches long with the feed piston in. The feed is 18 inches. It uses 1-inch, hollow quarter octagon steel and will drill 2-inch holes to a depth of 10 feet. It has been in service in mines at Butte, Mont., and also in British Columbia for a year or more to demonstrate its flexibility.

### Improved Trailer Concrete Mixer.

The Boss "Trail Bagger" here illustrated has found wide favor with telephone companies, street railway companies and municipal gas companies because extreme portability is of primary importance in connection with the construction work required by such organizations. It is made by the American Cement Machine Company, Keokuk, Iowa.

Men who have tried it will appreciate the difficulty of putting in two concrete jobs 20 or 25 miles apart on the same day with ordinary equipment, but this machine does such

bits of construction every working day of the year and in almost every state of the country.

Steel trucks combined with compactness of construction make this mixer extremely portable. The two-wheeled truck has solid rubber tires and roller-bearing wheels that, with



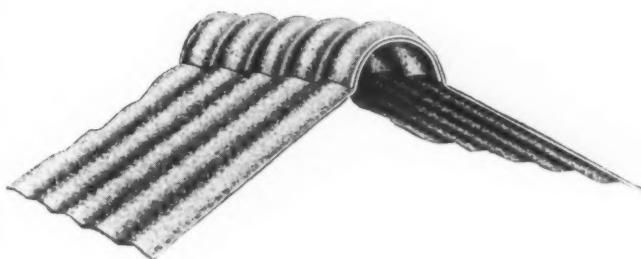
ONE-BAG TRAILER CONCRETE MIXER.

the wishbone lift hitch, giving 10-inch road clearance, makes it possible to attach the mixer to any motor vehicle and to tow it at any speed without "whipping."

All steel construction has reduced the weight of the machine more than 1000 pounds, while maintaining ample capacity and durability. It is equipped with either power loader or low charger.

### A Better Device in Roofing.

One of the latest developments in the corrugated sheet steel roofing line is Kuehn's ridge sheet, shown in the accompanying picture. This new device, which combines a corrugated ridge roll and corrugated roofing sheet all in one piece, is made by the Milwaukee Corrugating Company, Milwaukee, Wis. It is claimed that this method of construction saves all labor ex-



RIDGE ROLL AND SHEET IN ONE.

penses, time and materials required for applying a corrugated ridge roll separately, besides eliminating the cost of a separate ridge roll. It is further stated that it is positively storm proof and cannot leak or work loose, besides being adjustable in that it will fit all pitches of roof and it gives double protection on the ridge. The manufacturers provide the ridge sheet in 10-foot lengths with either 1 $\frac{1}{4}$  or 2 $\frac{1}{2}$  inch corrugations as may be desired, also with special corrugations of 1 $\frac{3}{4}$  inch when necessary.

A general improvement bond issue of \$1,150,000 has been voted at Huntington, W. Va., by substantial majorities. Funds from the bonds will be used for sewers, bridges and fire equipment.

# CONSTRUCTION DEPARTMENT

## EXPLANATORY

Additional information is published about all enterprises mentioned in this department as soon as such data can be obtained. An asterisk (\*) following an item indicates that the enterprise has been reported in a preceding issue.

## DAILY BULLETIN

The Daily Bulletin is published every business day to enable its subscribers to follow up promptly the industrial, commercial, railroad, financial, building and general business development of the South and Southwest. To machinery manufacturers and dealers, contractors, engineers, and others who require daily information of every new enterprise organized and details about important additions to enterprises already established, the Daily Bulletin is invaluable. Subscription price, \$20.00 a year.

### Bridges, Culverts and Viaducts

Fla., Apalachicola—Franklin County plans building toll bridge across Apalachicola River and East Bay, between Apalachicola and East Point. Address County Comms.

Fla., Fort Pierce—St. Lucie and Brevard Counties plan bridge across Indian River at Sebastian, St. Lucie County; contemplate \$75,000 bond election. Address County Comms.

Fla., Sarasota—Sarasota County receives bids June 16 for 1500-ft. concrete Siesta Bridge with draw span; Chas. S. Wadsworth, County Engr.\*

Fla., St. Augustine—St. Johns County will build 2 bridges. See Road and Street Construction.

Fla., Tampa—City Comn., W. Leslie Brown, City Mgr., receives bids June 30 for viaduct over Seaboard Air Line tracks; D. B. Martin, City Engr.\*

Fla., Tampa—Hillsborough County Comn. plans bridge across Hillsborough River at Twenty-second St.; authorized \$80,000 warrant issue.

Ga., Sandersville—City and Washington County interested in erecting concrete bridge over Oconee River, between Washington and Wilkinson County line, half way between Milledgeville and Dublin. Address City Clk. or County Comms.

La., Amite—Louisiana Highway Comn., Raymond Bldg., Baton Rouge, receives bids June 16 for Tchefuncta River Bridge on Amite-Franklin highway, between Tangipahao and Washington Parishes, 135-ft. creosoted pile trestle, nine 15-ft. panels; plans on file; W. B. Robert, State Highway Engr.

La., Baton Rouge—Geo. W. Garig, Commr. of Parks and Streets, receives bids June 3 for underpass under Louisiana Railway & Navigation Co.'s tracks, at New City Park; plans on file; Geo. F. Brogden Sec. Comn. Council.

La., Shreveport—Louisiana Railway & Navigation Co. plans bridge across Atchafalaya River, approximate cost \$2,000,000.

Maryland—State Roads Comn., Baltimore, Md., will build 2 bridges. See Construction News—Road and Street Construction.

Md., Frederick—State Roads Comn., 601 Garrett Bldg., Baltimore, let contract to Concrete Steel Bridge Co., Clarksburg, W. Va., at \$31,345, for reinforced concrete arch bridge over Monocacy River at Bridgeport.\*

Mo., Chillicothe—Livingston County Court plans 30-ft. bridge to replace structure across stream near Eversonville; also plans repairing Medicine Creek drainage ditch bridge near Chula.

N. C., Beaufort—State Highway Comn., Raleigh, will let contract soon for concrete bridge across Newport River between Beaufort and Morehead City, approximate cost \$560,000.

Okla., Muskogee—Muskogee County Comms. received bid from John N. Moore, Muskogee, at \$63,315 for Fort Gibson Bridge over Grand River.

Tex., Dallas—City receives bids June 16 for causeway across Lake Dallas, as part of north Lake road, over present Fish Trap crossing route, estimated cost \$75,000. Address City Clk. Lately noted bids May 27.

Tex., LaGrange—See Road and Street Construction.

Tex., Waco—McLennan County let contract to Austin Bridge Co., 1813 Clarence St., Dallas, at \$8021 for 332-ft. steel and concrete bridge over Bosque River at Eichelberger's Crossing.\*

Virginia—State Highway Comn., Richmond, Va. See Road and Street Construction.

West Virginia—State Road Comn., Charles-

ten, let contract for 6 bridges: Fayette County, Gauley Bridge, Hatfield Construction Co., Huntington, for concrete substructure; Standard Engineering & Contracting Co., Toledo, steel superstructure; Lincoln County, Atenville Bridge, J. D. Corbett, Dunbar, W. Va., for substructure; Pittsburgh-Des Moines Steel Company, Pittsburgh, Pa., steel superstructure; Wells Bridge, Thomas Co., Huntington, concrete substructure; Oregonia Bridge Co., Lebanon, Ohio, steel superstructure; Braxton County, Gassaway Bridge, Standard Engineering & Contracting Co., steel superstructure; Bulltown Bridge substructure, Morrison & Cunningham, Sutton; Pittsburgh-Des Moines Steel Co., Steel superstructure, Bear Fork Bridge, Hardman & Minns, Spencer, substructure; Gilmer County, steel superstructures, Vincennes Bridge Co., Vincennes, Ind.\*

W. Va., Charleston—Kanawha County Comms., plan 4 bridges, including one connecting Union and Jefferson Dists.; vote July 7 on \$1,750,000 bonds.\*

W. Va., Huntington—City, Floyd A. Chapman, Mayor, plans building 4 bridges; voted \$309,000 bonds.\*

### Clayworking Plants

Ky., Owensboro—Owensboro Clay Products Co., will install 10 kilns this year.

Tenn., Oakdale—Cardiff Brick & Tile Manufacturing Co. increased capital, \$20,000 to \$40,000.

### Concrete and Cement Plants

Ala., Demopolis—Gulf States Portland Cement Co., H. R. Peitzke, Production Mgr., advises: Have completed kiln 8-ft. diam. and 125-ft. long, and now installing second one, also some additional grinding equipment to take care of increased kiln output; within next two months Alabama Power Co. will begin serving plant with hydro-electric power and present power plant will be discarded; with these improvements plant's daily capacity will be 2000 bbls. Portland cement.\*

### Cotton Compress and Gins

Ark., Lamar—J. T. Douthitt, Hartman, will construct cotton gin.

La., Lake Charles—Board of Directors of Assn. of Commerce, E. J. Novak, Mgr., authorized George M. King, Special Chrmn., to arrange for financing cotton compress for Port of Lake Charles; buildings, warehouses, etc., will be of latest type fireproof.

N. C., Kings Mountain—Bessemer Gin Co., capital \$15,000, incorporated; J. M. Patterson, Kings Mountain; F. C. Summers, Cherryville.

N. C., Tillery—Roanoke Ginning Co., capital \$50,000, incorporated; J. W. Tillery, J. B. Bass.

Okla., Claremore—J. C. Vickers of Bristow will erect cotton gin.

Okla., Hartshorne—Hartshorne Farmers Gin Co., capital \$15,000, incorporated; W. L. Goodson, J. M. Faith.

Okla., Hess—Farmers Co-Operative Gin Co., capital \$25,000, incorporated; J. T. Holmes, J. W. Ernest, both of Elmer.

Okla., Owasso—Owasso Gin Co., capital \$10,000, incorporated; Otto Reeves, C. L. Griffith, Ada.

Tex., Quanah—Watkins Gin Co., capital \$20,000, incorporated; G. A. Simmons, W. D. Watkins.

### Drainage, Dredging and Irrigation

Fla., Miami—See Miscellaneous Construction.

Fla., Okeechobee—See Land Development. Fla., Sanford—See Miscellaneous Construction.

Fla., West Palm Beach—South Indian River Drainage District, C. H. Ruggles, Engr., petitioned C. E. Chillingworth, Judge, for a new plan of reclamation of drainage district.

Okla., Oklahoma City—W. A. Jackson, Oklahoma County Clerk, let contract to Oklahoma Dredging Co. for drainage ditch, Soldiers Creek and drainage and irrigation ditch, Wild Horse Creek; Ralph James, County Engr.

S. C., Charleston—U. S. Engineer Office, War Dept., Washington, D. C., let contract to P. Sanford Ross, Inc., Jersey City, N. J., for dredging in Charleston harbor.

Tex., Alpine—W. H. Dunlap and C. S. Clark, members of State Board of Water Engineers, interested in irrigation system for several hundred thousand acres land in Big Bend region of the Upper Rio Grande.

Tex., Coltulla—Coltulla Irrigation District votes July 3 on \$5,000,000 bonds for irrigation work; Nagle, Witt & Rollings, Engrs., 1304 Santa Fe Bldg., Dallas, Tex.\*

### Electric Light and Power

Ala., Birmingham—Birmingham-Montgomery and Gulf Power Co. and Sheffield Co. merged with the Alabama Power Co., capital \$100,000,000.

Ark., Fordyce—Arkansas Light & Power Co., H. C. Couch, Pres., Pine Bluff, has 50-year franchise.

Ala., Montgomery—Gulf Electric Co., subsidiary of Alabama Power Co., Brown-Marx Bldg., Birmingham, applied to Alabama Public Service Comsn. for permission to construct electric transmission line across Lowndes, Butler, Conecuh, Escambia and Baldwin Counties.

Ark., Heber Springs—E. T. Stanfield, So. Trust Bldg., Little Rock, will soon begin construction of transmission line, dam and power plant.\*

Florida—E. B. Lee, Electric Bond & Share Co., 71 Broadway, N. Y., advises work now in progress or projected includes transmission lines to interconnect generating plants and distribution systems at Miami and Miami Beach with Fort Lauderdale, West Palm Beach and Stuart and distribution systems at Palm Beach and intervening and adjacent territory; with completion these lines all plants and transmission and distribution systems from Miami to Stuart, 120 miles will be interconnected and operated as unit; various additions and improvements to property in many of 63 communities in Florida served by subsidiaries of American Power & Light Co. will be undertaken during year.

Fla., Babson Park—See Land Development.

Fla., Crescent City—Southern Utilities Co., Palatka, will probably acquire light and water plant.

Fla., Crescent City—See Land Development.

Fla., Largo—See Land Development.

Fla., Orange City—See Land Development.

Fla., Palm City—See Water Works.

Fla., Tampa—See Land Development.

Fla., Webster—See Water Works.

Fla., West Palm Beach—Bradenburg Electric Co., Inc., capital \$50,000, incorporated; Wm. Bradenburg, R. S. McDonald.

Fla., West Palm Beach—H. L. Donald and D. A. Allen interested in installation of white way, Hibiscus Ave.

Fla., Quitman—City Manager Fluker interested in installation of white way.

Ky., Paducah—Light and Water Committee will extend white way system.

La., Baton Rouge—Baton Rouge Electric

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Co., F. W. McLaughlin, Mgr., advises, are installing 3500 kw. General Electric turbo-generator at power station on Government St., double present capacity; are also planning submarine cable across Mississippi River to serve Port Allen; engineering and construction by Stone & Webster, Inc., 24 Milk St., Boston, Mass.

La., New Iberia—Louisiana Public Service Co., Inc., J. G. Hix, Mgr., will erect brick plant, plans now being drawn; will install 200 horsepower engine, new distribution system for Jeanerette and 12 miles 22,000-volt transmission line; Henry A. Mertz, Constr. Engr., Magnolia, Miss.; Western Electric Co., 601 S. Peters St.; Interstate Electric Co., 256 Baronne St., and Fairbanks-Morse & Co., 610 Magazine St., all New Orleans, are machinery contractors.\*

La., Shreveport—Southwestern Gas & Electric Co. reported let contract to J. B. McCrary Co., Atlanta, Ga., for laying 1600 ft. of 48-in. Lock Joint Pipe Co., Ampere, N. J., concrete pipe and 54-in. cast iron pipe.\*

Md., Woodbine—Woodbine Light & Power Co., granted permission by Public Service Commission, Munsey Bldg., Baltimore, Md., to issue \$12,000 capital stock to construct transmission line at Parksville, through Lisbon to Kuhn's Lane, Howard County, and from Lisbon to Woodbine Heights.

Miss., Moss Point—Mississippi Power Co., Gulfport, reported acquired city light and power plant.

Mo., St. Louis—C. W. Atkins, Director of Bureau of Municipal Research, interested in complete electrification of street lighting service.

Mo., Willow Grove—Missouri Power & Development Co., capital \$150,000, incorporated; M. B. Messier, 603 New St., Springfield; H. W. Wright, Jr.

N. C., Bryson City—Board of Aldermen, Horace Kephart, Chrm., receives bids June 8 for electric light system. (See Machinery Wanted—Electric Light System.)

N. C., Danbury—Pepper Brothers & Neal are constructing power plant.

S. C., McCormick—See Water Works.

N. C., Mooresville—Michael & Bivens, Inc., Gastonia, have contract for installing complete electrical distribution for power and lighting and building a 6600 volt transmission line complete from Mooresville to Mount Ulla.

S. C., Spartanburg—Blue Ridge Power Co., 144 E. Fair St., let contract to Rinehart and Dennis, Charlottesville, Va., for general construction of hydro electric power development of Green River near Saluda; Mees & Mees, Engrs., Kinney Bldg., Charlotte, N. C. (Other contracts lately noted let.)\*

Tenn., Benton—Tennessee Electric Power Co., Hamilton National Bank Bldg., Chattanooga, reported to construct additional plant on Ocoee River.

Tenn., Knoxville—See Land Development.

Tenn., Lebanon—Tennessee Electric Power Co., Chattanooga, reported acquired electric line, Lebanon to Murfreesboro.

Tex., Bastrop—Texas Public Utilities Co., Plainview, acquired Bastrop Water, Light and Ice Co.'s plant.\*

Tex., Goose Creek—Houston Lighting and Power Co., Fannin & Walker St., lately noted acquiring Goose Creek light and power plant; will construct power line connecting with the Deepwater plant.\*

Tex., Mission—Valley Electric & Ice Co., will construct power plant; 1 story brick and concrete; cost \$60,000.

Tex., Panhandle—City, C. E. Deahl, Mayor, will improve power plant.

Tex., San Antonio—San Antonio Public Service Co. increased capital, \$7,000,000 to \$10,000,000.

Tex., Three Rivers—See Water Works.

Va., Harrisonburg—Charles D. Shank, owner of Harrisonburg-Massanutten Caverns, reported to expend \$75,000 for improvements and developments; Wm. Snyder of Snyder Electrical Co., Staunton, has contract for electric plant.

Virginia—National Public Service Corporation reported, acquired Municipal Service Co. operating 9 subsidiary utilities in Virginia, Pennsylvania, Georgia and Ohio, including Alexandria Light & Power Co., Valdosta (Ga.) Lighting Co., Ware County Light & Power Co., Chester Valley Electric Co., Coatesville, Pa.

Va., Purcellville—The Loudon Light & Power Co., M. N. Lyon, Pres., will construct approximately 13,200 volt transmission line; is receiving bids for copper or aluminum wire, insulators, poles, cross arms, pins, pole line, hardware, etc.; construction by

owners.\* (See Machinery Wanted—Electric Transmission line).

Va., Strasburg—Northern Virginia Power Co., Winchester, subsidiary of Potomac-Edison Co., Frederick, Md., will extend transmission lines to Lebanon Church.

### Flour, Feed and Meal Mills

N. C., Yadkinville—Yadkinville Roller Mill Co., capital \$50,000, incorporated; J. T. Reece, T. R. Eaton.

Tenn., Talbot—Crosby Milling Co., increased capital, \$30,000 to \$60,000.

### Foundry and Machine Plants

Ala., Gadsden—H. Wetter Manufacturing Co., Henry Wetter, Pres., reported, moving cast iron soil pipe plant from South Pittsburg, Tenn.; acquired site of old Gadsden Car Works, about 25 acres; erect \$100,000 plant, move machinery from present site.

Fla., Fort Lauderdale—American Sanitary Engineering Co., Tampa, will establish plant for manufacture of septic tanks.

Ky., Lexington—Timmins Foundry Co., capital \$25,000, incorporated; Wm. J. Timmins, John S. Yellman.

Md., Baltimore—Baltimore Valve Corp., Sinclair Lane and Patterson Park Ave., increased capital, \$100,000 to \$200,000.\*

### Gas and Oil Enterprises

Ark., Little Rock—Little Rock Gas & Fuel Co., will erect building, 8th St.

Fla., Tampa—See Land Development.

Miss., Ocean Springs—A. C. Gatsche, A. J. Catchot and associates organized oil company.

N. C., Charlotte—Sinclair Refining Co., 45 Nassau St., New York, reported to construct wholesale distributing plant on Elliott St.; three 1 story buildings with loading and unloading rack, metal clad, mill construction; 6 steel tanks with capacity of 15,000 gal. each; 40x80 ft. warehouse; 32x72 ft. garage; 8x10 ft. pump house.

Okl., Enid—Denker Oil Co., capital \$1,000,000, incorporated; Burchard Denker, Thomas N. Denker.

Okl., Muskogee—Indian Rose Oil Co., capital \$25,000, incorporated; F. L. Beam, Daniel Folsom.

Okl., Okmulgee—Shreves Oil Co., capital \$2,500,000, incorporated; Robert G. Rapp, 523 N. Okmulgee St.

Okl., Okmulgee—Independent Oil & Gas Co. acquired Allied Refining Co.'s plant; will enlarge and erect lubricating and wax plant.

Okl., Tulsa—Rocks Petroleum Co., capital \$25,000, incorporated; W. A. Prater, Bliss Bldg.

Tenn., Newbern—Southern Oil Co., capital \$15,000, incorporated; E. E. Parks, M. A. Jenkins.

Tex., Amarillo—Amarillo Refining Co. plans erecting two 55,000 bbl. steel storage tanks.

Tex., Eastland—Janer Oil Co., capital \$10,000, incorporated; Abner S. Werblin, R. C. Grisham.

Tex., Electra—Electra Production Co., capital \$25,000, incorporated; W. C. Forbes, River Crest, Fort Worth.

Tex., Fort Worth—Lone Star Gas Co., Irving, reported to construct pipe line from Breckenridge Junction to Fort Worth.

Tex., Mirando City—Mirando City Oil Co., reported to erect 1 story, brick and steel refinery, cost \$250,000.

Tex., Port Arthur—Gulf Refining Co., John W. Tryon, Mgr., reported to expend \$500,000 for improvements to plant, including construction of 12 stills and 6 oil tanks.

Tex., San Antonio—M. E. Glasscock, Inc., capital \$30,000, chartered; M. E. Glasscock, 3130 River St., H. B. Houston.

W. Va., Charleston—Veaxy Fuel Co., capital \$25,000, incorporated; Frank M. Kearns, Lee Ott, State House.

Tex., Shamrock—J. D. Wrather, will erect 1000 bbl. refinery at Lela.

### Ice and Cold-Storage Plants

Fla., West Palm Beach—Robert Gambill, Graham Bldg., Jacksonville and Albert M. Dixon, 3402 Abercorn St., Savannah, Ga., acquired 100x400-ft. site in Northwood and 250x150-ft. site in Sunshine Park; erect 60 ton daily capacity plant on each site; cost approximately \$300,000 each.

Md., Parkville—Parkville Ice and Coal

Co., capital \$60,000, incorporated; Geo. F. Whiting, Elmer S. Gesswein.

Miss., Tutwiler—Tutwiler Ice & Fuel Co., capital \$25,000, incorporated; J. M. Bready, G. L. Edwards.

Tenn., Bell Buckle—Southern States Ice Co. will erect plant, capacity eight tons, electrically operated.

Tex., Temple—Temple Ice & Refrigerating Co., S. Second St., J. C. Mitchell, Mgr., is having plans prepared by Ophuls & Hill, Inc., 112 West 42nd St., New York, for ice plant; daily capacity 40 tons; brick and concrete 40x120 ft., concrete and tile floor, concrete roof; building cost, \$20,000; machinery and equipment, \$5000; will install ice machines, motors, conveyors, etc.; Arctic Pownell Co., Canton, Ohio; Gifford-Wood Co., Hudson, N. Y., and General Electric Co., Schenectady, New York.\*

### Iron and Steel Plants

Ala., Alabama City—Gulf States Steel Co., D. H. Wood, Pres., Brown-Marx Bldg., Birmingham, reported let contract to Converse Bridge & Steel Co., Chattanooga, Tenn., for erection mill building; cost \$90,000.\*

### Land Development

Ala., Birmingham—Bay Land Co., capital \$40,000, incorporated; O. H. Bernard, Crestline St.

Ala., Birmingham—Roebuck Improvement Co., Inc., incorporated; S. L. Yerkes, American Trust Bldg.

Ala., Birmingham—Pine Island Land Co., incorporated; O. H. Horton, 116 1/2 N. 21st St.

Ala., Birmingham—D. A. L. Realty Corporation, incorporated; L. M. Hooper, John B. C. Sturdwick.

Ala., Sheffield—Sheffield-South Florence Land Co., capital \$50,000, incorporated; Sam W. Kendall, I. W. Delong.

Ark., Fort Smith—City will probably vote on \$100,000 park bonds, M. J. Miller Comr. of Finance.

Ark., Little Rock—Lakeside Realty Co., capital \$125,000, incorporated; John F. Boyle, Boyle Bldg.

D. C., Washington—Commr. of Public Buildings and Parks, plan improvement to Meridian Hill Park, construct entrances, erect 875 ft. wall along Fifteenth St., widen Inlet bridge, add 10 ft. to speedway; improve Potomac Park tourist camp; erect lodge; grade road in Rock Creek-Potomac parkway.

Florida—Sumter Farms Association, Theodore R. Jones, V. P., Orlando, acquired 6000 acres, Sumter County, about 6 miles east of Bushnell and 4 miles north west of Center Hill; develop townsite called Gardens, balance of land staked out in 10-acre tracts to sell to truck gardeners.\*

Fla., Babson Park—Inter-Lake Estates, Harry W. Bennett, Pres., will develop 535 acres land for subdivision; will dredge, build roads, landscaping, water works, sewers, electric lights, expend \$250,000; H. de V. Pratt, Archt., 110 Tremont St., Boston, Mass.\*

Fla., Bartow—Dan Wear acquired Kissimmee Springs, including 964 acres; will develop.

Fla., Bartow—Stiles & Van Kleek, Boston, Mass., prepared plans for remodeling and enlarging golf course.

Fla., Brooksville—Horace W. Lane, Engr., Detroit, Mich., acquired 40,000 acres of land near Hunters and Tookes Lakes; will develop; build roads; golf course.

Fla., Chipley—Stephens & Pierce, Miami, acquired 100,000 acres in Holmes Bay and Washington counties; will develop.

Fla., Clearwater—Peale Realty Co., acquired 46 acres on E. Cleveland St.; will develop; construct clubhouse, swimming pool; Edmond & Riddle, Engrs.

Fla., Cocoa—United Realty Co., D. P. Davis, Pres., acquired 12 acres; develop subdivision.

Fla., Crescent City—Halifax Realty Development Co., 300 N. Beach St., Daytona, closed contract with J. M. Wood & Co. for development of Woodland Park; will expend \$20,000; install electric light plant, roads, streets, sidewalks, sewers.

Fla., Daytona Beach—Harry Kelsey, West Palm Beach, and associates, reported acquired 50,000 acres on Daytona-DeLand highway.

## CONSTRUCTION DEPARTMENT

Fla., Jacksonville—See Road and Street Construction.

Fla., Jacksonville—J. B. Floyd acquired 1000 acres land; will develop.

Fla., Jacksonville—L. L. Pearce of Quincy, Ill., acquired tract of land; will develop subdivision.

Fla., Jacksonville—Walter Midwood, Providence, R. I., acquired 115 acres; will subdivide.

Fla., Jacksonville—Joseph I. Triplett, Jr., Biscayne Bldg., reported acquired Maxville Farms, tract of 23,000 acres of cut-over timber land, and town of Maxville.

Fla., Jacksonville—Conrad Mangles, Mangles-Kirby Co., 525 W. Forsyth St., acquired 105 acres; will develop.

Fla., Jacksonville—A. T. Hill, 328 S. W. 11th Ave., Miami, will develop 28 acres of land on Lake Harris for subdivision; install water works plant; J. W. Moore, 911 Laura, in charge of landscaping.

Fla., Jacksonville—W. A. Barrs, C. E. Treweek and associates interested in colonization of 3800 acres of land; will divide into 5 and 10 acre farm tracts.

Fla., Jacksonville—L. T. Cowles will develop 5 acres for subdivision.

Fla., Jacksonville—Finley, Tucker & Brothers, Adair Bldg., acquired 200 acres along Dunn's Creek.

Fla., Labelle—John W. Altman and J. C. Allen, St. Petersburg, will develop tract of land for colonization.

Fla., Key Largo—Richards & Woods, Miami, acquired 220 acres on Black Water Sound.

Fla., Kissimmee—H. Gilbert acquired 666 acres water front land; will develop.

Fla., Kissimmee—Osceola Development Co. acquired 240 acres on Carolina Lake; will develop.

Fla., Largo—J. A. Walsingham, Room 2, Arcade, Clearwater, C. C. Allen and associates will develop 60 acres for Marlen Park subdivision; will construct streets, sidewalks, install electric lights, water, sewer; three acre park.\*

Fla., Madison—Turner Realty and Investment Co., incorporated; Walter Turner, C. Davis Turner.

Fla., Melbourne—Melbourne Golf & Country Club, Ernest Kouwen-Hoven, Pres., will develop 18-hole golf course; Donald Ross, Golf Archt., Southern Pines, N. C.

Fla., Miami—Tolins & Jacobson, 261 Broadway, New York, reported acquired 28,000 acres between Cocoa and Rockledge.

Fla., Miami—Manchester Realty Corp., capital \$500,000, incorporated; Harold B. Long, Frank Finnerty.

Fla., Miami—F. A. P. Jones, Inc., capital \$10,000, incorporated; F. A. P. Jones, 104 Fort Dallas Park; Mary E. Jones.

Fla., Miami—South Hudson Holding Co., capital \$100,000, incorporated; Peral L. Bergoff, W. H. Beckham.

Fla., Miami—Nehoe Realty Co., capital \$10,000, incorporated; S. A. Latham, H. V. Whitehurst.

Fla., Miami—Livingston Properties, Inc., capital \$25,000, incorporated; Wm. H. Livingston, Wm. Atwood.

Fla., Miami—Navarre Land Co., capital \$100,000, incorporated; W. E. Walsh, Biscayne Bank Bldg., A. Shelton.

Fla., Miami—Okeechobee Development Co., incorporated; J. A. Hoover, W. P. Montgomery.

Fla., Miami—Florida Homesites, Inc., chartered by A. S. Sherman, J. Rosenstein.

Fla., Miami—Fort Bassinger Corp., capital \$350,000, incorporated; Robert Steele, N. W. 24th St.

Fla., Key Largo—See Miscellaneous Construction.

Fla., New Port Richey—Charles F. Herms, Arch Boyer, acquired 100 acres on Lake Morell; will develop subdivision.

Fla., Ocala—Buick Realty Corp., 114 E. Fort King Ave., Col. Flynn and David Buick, Jr., is developing Buick City, subdivision, Lakelands Building Co., Madison, Ohio, has contract for construction work for next 5 years. (See Machinery Wanted—Sawmill; Suction Pump).

Fla., Ocala—Lomar Rankin, Tampa, acquired tract of land.

Fla., Okeechobee—John A. DuPre and W. K. Slight of Jacksonville, will develop 2700 acres of land on Lake Okeechobee; will dredge and dike portion of land and develop in bananas.

Fla., Orange City—Joe D. Smith Realty

Co., Joe D. Smith, Pres., acquired 120 acres land; develop townsite; install water works, roads and streets, sewer system, electric lights; Geo. W. Underwood and J. S. Leedy, Constr. Engrs.\*

Fla., Orlando—Fletcher and Bulger acquired tract of land, will develop.

Fla., Palm Beach—Southern Florida Realty Co., incorporated; G. Maurice Heckscher, Frank Finnerty.

Fla., Parish—A. S. Skinner Co., Sarasota, 5180 acres, Manatee County; will subdivide.

Fla., Sanford—F. W. Cox of Miami, 54 N. E. Fifth St., acquired 119 acres land; will develop subdivision; dredge; install water, sewers, roads.

Fla., Sarasota—H. Paulman, 4845 Kenwood Ave., and J. V. Lawrence, Chicago, Ill., acquired 120 acres land; will develop subdivision.

Fla., Sarasota—Johnson-Patterson Realty Co., capital \$25,000, incorporated; J. C. Patterson, M. F. Johnston.

Fla., Sarasota—Emerald Isles Development Co., capital \$150,000, incorporated; J. W. Davys, C. C. Hamilton.

Fla., Sarasota—City will vote on \$75,000 bonds for improvements to Gillespie Park. Address The Mayor.

Fla., San Antonio—W. E. Currie, 20 McGraw Bldg., Detroit, Mich., acquired 400 acres land on Clear Lake; will develop, construct golf course.

Fla., St. Augustine—J. W. Estes, 105 King St., John Armstrong and associates acquired tract of land on Anastasia Island.

Fla., St. Augustine—Lynn-Usina Realty Co., St. Augustine National Bank Bldg., organized by J. Herman Lynn, Jr.

Fla., St. Augustine—W. J. Hoggson acquired 160,000 acres; will develop.

Fla., St. Leo—W. E. Currie, 20 McGraw Bldg., Detroit, and L. B. Irwin, St. Petersburg, Detroit, Mich., acquired 254 acres, 100 acres in bearing grove and will develop.

Fla., St. Petersburg—See Miscellaneous Construction.

Fla., Tampa—Bert Littell, Grand Rapids, Mich., T. Scott of Bloomington, Ill., acquired 320 acres of land from R. A. Wackerman Co., 309 Franklin St. and will develop subdivision; will pave streets and curb, install electric lights.

Fla., Tampa—Mrs. Lillian Hill Probascio acquired tract of land, will develop subdivision; install water, sewers, gas, telephones, electricity, asphalt streets.

Fla., Tampa—Stillwell Investment Co., capital \$20,000, incorporated; F. H. Stillwell, C. A. Matthews, San Rafael St.

Fla., Tampa—Harris L. Browne, 415 Summer Bldg., St. Petersburg, acquired 250,000 acres of land.

Fla., Tampa—Col. W. F. Stovall, Bayshore Blvd., T. L. Stovall of Hammons Realty Co., acquired 1300 acres of land, near Lithia.

Fla., Tampa—Isaac Hanan, 110 Lafayette St., will develop 80 acres for Hanan Estates; build swimming pool, pave and extend Shore Drive; construct white way.

Fla., Tampa—Tampa Realty Investment Co., capital \$250,000, incorporated; R. M. Prince, 413 Citrus Exchange Bldg., R. C. Wilson.

Fla., West Palm Beach—Pittsburgh-Okeechobee Land Co., capital \$100,000, incorporated; John McSorley, C. F. McDonald.

Fla., West Palm Beach—Arcadia Investment Co., capital \$50,000, incorporated; B. A. Maxfield, Emory J. Thomas.

Fla., West Palm Beach—Hough & Dozier, Inc., capital \$25,000, chartered; L. A. Hough, H. M. Dozier.

Fla., West Palm Beach—Hess & Earle, capital \$30,000, incorporated; J. D. Hess, Jr., L. B. Baker.

Fla., West Palm Beach—Butler-Newton, Inc., capital \$10,000, chartered; Wm. F. Newton, H. C. Butler.

Fla., West Palm Beach—Florida Real Estate Holding Co., capital \$100,000, incorporated; Herbert S. Carpenter, John C. Greenburgh.

Fla., West Palm Beach—Alliance Realty Co., Inc., capital \$150,000, incorporated; Wm. Harding, Burrows McNeir.

Ga., Savannah—J. R. Lovett, Pres., Citizens Loan & Investment Co., 114 E. Congress St., acquired tract and will develop; Charles F. Rossignol, Sales Mgr., 1818 Whittaker St.

Ga., Tugalo—Tugalo-Resort Co., L. C. Mount, Miami, Fla., acquired 1800 acres; will

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develop summer resort; construct lake, build hotel and cottages.

La., Baton Rouge—Bay Shore Realty Co., capital \$100,000, incorporated; F. M. Brent, Plank Rd.

La., New Orleans—Avenue Realty Co., capital \$25,000, incorporated; M. Selber H. Uhrey, Octavia Apt.

La., New Orleans—St. Tammany Realty Co., capital \$20,000, incorporated; Ed. B. Ellis, Canal Commercial Bldg.; F. J. Keller.

Md., Baltimore—Hanover Realty Co., 5 S. Hanover St., incorporated; Sol. I. Hyman, Michael Miller.

Miss., Jackson—See Miscellaneous Construction.

Miss., Ocean Springs—C. W. Gormly acquired 370 acres on Fort Bayou will develop golf course and subdivision; will dredge, extend pier.

Miss., Pascagoula—Victor J. Passera and I. B. Rennison, 347 Carondelet St., New Orleans, La., acquired 7500 acres land having 6 mile frontage on Gulf of Mexico; develop subdivision.

Mo., Kansas City—C. L. King & Co., 100 Insurance Bldg., acquired 20 acres on Wornall Rd.; will subdivide.

Mo., Knobview—Ozark Grape Corp., capital \$120,000, incorporated; Nat. S. Brown, Chas. L. Tripi.

Mo., St. Louis—Odette Investment Co., incorporated; Wm. B. Kinealy, 705 Olive St.

Mo., St. Louis—Com-Pyr Realty & Investment Co., capital \$50,000, incorporated; Ben Althermer, 7106 Maryland Ave.

Mo., St. Louis—Hampden Hall Investment Co., incorporated; C. M. Olsen, 4704 Kensington St.

Mo., St. Louis—Smutz-Binz Realty & Investment Co., capital \$40,000, incorporated; L. B. Smutz, Laclede Gas Bldg.

Mo., St. Louis—Okaw Springs Development Co., capital \$400,000, incorporated; Chas. Peters, Chemical Bldg.

Mo., St. Louis—Kirkland Building & Real Estate Co., incorporated; J. E. Bates, P. H. Power.

Mo., Steelville—Ozark Realty Co., capital \$17,500, incorporated; Claude Bass, M. W. Lichius.

N. C., Asheville—John W. Snipes, capital \$50,000, incorporated; John W. Snipes, 38 Vermont Ave.

N. C., Asheville—Amboy Land Co., capital \$100,000, incorporated; W. F. Humphries, 152 Edwin Pl.

N. C., Leaksburg—J. W. Norman, Inc., capital \$25,000, incorporated; C. T. Sneed, J. W. Norman.

Okla., Sulphur—Forest L. Carter, Supt. Platt National Park, will improve park; expend \$42,000 for grading and resurfacing all roads.

S. C., Chester—J. S. Colvin, J. C. Roper, Jr., will incorporate company and develop Moringside Park.

S. C., Greenville—Archie Willis & Co., capital \$50,000, incorporated; J. Archie Willis, Monteith Apt.

Tenn., Chattanooga—Richard Hardy, Mayor, interested in development of golf course; Donald Ross, Golf Archt., Southern Pines, N. C.

Tenn., Chattanooga—Dr. J. W. Johnson, Volunteer Life Bldg., acquired 35 acres at Alta Vista, will develop subdivision.

Tenn., Kingsport—Cherokee Park, Inc., capital \$15,000, chartered; W. K. Woody, W. F. Hedges.

Tenn., Knoxville—Otto T. Roehl will expend \$40,000 for development of 27 acres on Scenic Drive; will grade streets, place concrete curb and gutters; install telephone and electric lights.

Tenn., Memphis—Eastern Development Co., capital \$25,000, incorporated; W. A. Bridewell, 5926 S. McLean St., Guy M. Long.

Tenn., St. Elmo—See Sewer Construction.

Tex., Cameron—Tracey Bros. interested in development of golf course and country club.

Tex., Dallas—Builders Realty Co., incorporated; J. Allen Boyle, Melba Building; W. P. Howland, Jr.

Tex., Athens—Athens Fish & Game Club will enlarge capacity of lake, let contract to Alfred Wright to construct dam.

Tex., Dallas—Cotton Realty Co., capital \$260,000, incorporated; J. Smith Ownby, Cotton Exchange Bldg.

Tex., Dallas—Southwest Clinic Realty Co., incorporated; H. G. Walcott, Medical Arts Bldg.

Tex., Houston—See Sewer Construction.

Tex., Port Arthur—Schuh Realty Co., capital \$30,000, incorporated; L. Schuh, 648 Houston Ave., Adam Schuh.

Tex., San Antonio—E. H. Thompson, 1127 Kings Highway, Dallas, has contract for improvements 40 acre subdivision, including sidewalks, curb and gutter; Koch & Fowler, Engrs., 606 Central Bank Bldg.

Tex., San Antonio—See Miscellaneous Construction.

Tex., Three Rivers—Three Rivers Co., capital \$100,000, incorporated; Charles R. Tips, Homer Rogers; develop subdivision.

### Lumber Enterprises

Ala., Marion—J. A. Wood and associates acquired W. A. Moore & Son's planing mill.

Ala., Red Level—C. B. Young and T. B. Lovelace, Union Springs, reported to have acquired Lovelace-Slowers Lumber Co.

Fla., Bradenton—George V. Booker, 828 S. Rome Ave., Tampa, and Wm. J. O'Brien, 310 W. Church St. Apts., Jacksonville, acquired Dunan Lumber Co.'s plant.

Fla., Indiantown—Indian Lumber Co., J. K. Kelly, Pres., began construction of mill, machinery ordered; monthly capacity about 2,000,000 ft.\*

La., Ferriday—Fisher-Hurd Lumber Co., O. P. Hurd, Memphis, Tenn., advises: Are building 8 ft. band saw with 8 ft. resaw, designed and supervised by O'Briant & Yost of Memphis; machinery and engine purchased from Casey-Hedges Co. of Chattanooga, Tenn.; frame work of mill by Wm. Buchanan, of Texarkana, Ark.; railroad dump constructed by Noble & Moore; have 40,000 acres timber and 150 acres land available for saw mill site and lumber yards.\*

Md., Baltimore—Avalon Lumber Co., 33 Knickerbocker Bldg., incorporated; Walter Garran, Julius F. Sandrock.

Miss., Carpenter—Carpenter Lumber Co., capital \$25,000, incorporated; S. J. Ferguson, S. J. Ferguson, Jr.

S. C., Rock Hill—Rock Hill Lumber Co., Oakland Ave., will erect \$10,000 plant on E. White St.

### Mining

Ark., Little Rock—Amisite Asphalt Co., incorporated; E. J. McInerney, Dwight Smith.

Fla., Ocala—Camp Concrete Rock Co., capital \$300,000, incorporated; Jack Camp, Pres.; E. F. Fitch, Sec.

La., Buhler—Union Sulphur Co., 33 Rector St., New York, reported, leased 1200 acres land, develop sulphur deposits.

Md., Cumberland—Twin City Sand & Gravel Co., incorporated; James C. Shriver, Eugene J. Kean.

Mo., Jefferson City—Cortez King Brand Mines Co., capital \$50,000, incorporated; D. M. Oberman, Horace B. Church, Jr.

Mo., Joplin—Tri-State Development Co., capital \$100,000, incorporated; R. M. Atwater, Jr., Pres., 2022 Jackson St.

Mo., Joplin—T. F. Coyne and Haywood Scott, 105 Miners Bank Bldg., acquired H. and C. C. Mining Co.'s mill and lease, operate under name of C. & S. Mining Co.

Mo., Kansas City—Independent Sand Co., Inc., chartered; Chas. S. Murray, 7420 Penn Ave., A. W. Gill.

Tenn., Memphis—Blue Diamond Mining Co., increased capital, \$50,000 to \$100,000.

Va., Tip Top—Tazewell Manganese Corp., incorporated; P. J. Kelley, Wyoming St., Bluefield.

### Miscellaneous Construction

Fla., Fort Pierce—Inlet—St. Lucie County Commrs. voted \$400,000 bonds for completion of work now under way at Fort Pierce inlet.\*

Fla., Lake Worth—Bulkhead—City receives bids June 12 for bulkhead improvements, Ivan H. Mann, City Engr. (See Machinery Wanted—Bulkhead).

Fla., Key Largo—E. F. Hoban, Contr., for Knust & Lane, developers of Sunrise Drive subdivision at Tavernier Cove, is constructing 135 ft. pier, reinforced concrete, concrete boardwalk.

Fla., Miami—Fill, etc.—Krames-Corlett Co., E. S. Corlett, Pres., 207 N. E. Second Ave., let contract to Clark Dredging Co., 356 S. W. N. River Drive, for fill and bulkhead to harbor line alone entire frontage of Shore Crest, from mouth of Little River to Tarpon point; also bulkhead along harbor

line; about 150,000 cu. yds. required; Little River also to be dredged and widened.

Fla., Sanford—Retaining Wall—City Coms., W. B. Williams, City Mgr., receives bids June 15 for retaining wall and hydraulic fill in East Side Bulkhead Dist.; Fred T. Williams, Engr. (See Machinery Wanted—Retaining Wall, etc.)

Fla., Sanford—See Land Development.

Fla., St. Petersburg—City, R. S. Pierce, Mayor, voted the following: \$375,000 bonds for waterfront improvements from Thirteenth Ave. N. to Seventh Ave. S., together with terracing of city property in front of Houllynn subdivision; seawall, dredging, sewer extensions, sidewalk and creating yacht basin; \$118,700 bonds for waterfront improvements from Coffee Pot Bayou to Thirteenth Ave. N.; seawall, filling and sewer extension; \$1,000,000 bonds for beautification of parks and parkways; \$55,000 bonds for park Thirteenth Ave. N. to Coffee Pot Bayou; \$180,000 bonds for widening and deepening Booker Creek, Ninth St. bridge to Bayboro Harbor; reconstruction walls and sidewalks and storm sewer connections; S. S. Martin, Director of Finance; E. Kitchen, Director of Public Works.\*

Fla., Tampa—See Land Development.

Fla., Tugalo—Lake—See Land Development.

La., New Orleans—Port Comms. received low bid from Blattman-Weeser Sheet Metal Works, Inc., 1001 Toulouse St., for sheet metal work and skylights for Julia St. shed; also low bid from H. N. Moody, 815 Perdido St., for loading tower for coal handling plant.\*

Miss., Gulfport—Seawall—Arthur M. Shaw, Constl. Engr., Hibernia Bank Bldg., New Orleans, La., wins contract for about 14 miles of seawall will probably be let to either MacDougald Construction Co., 315 Angier Rd., Atlanta; Woods Brothers Construction Co., Lincoln, Neb., or Gulf Coast Construction Co., Opelousas, La.; H. D. Shaw, Ch. Engr., Gulfport.\*

Miss., Jackson—Swimming Pool—Rotary Club, interested in converting old college grounds into swimming pool, athletic field and tourist camp. Address The Secretary.

Tex., Corsicana—Natatorium, Inc., care of R. M. Tilley, let contract to McCall Engineering Co., Amicable Bldg., Waco, at \$18,500 for natatorium pool and sewer lines; W. W. McClendon, Engr.

Tex., Fredericksburg—Swimming Pool—Terrell Bartlett Engineers, 612 Calcasien Bldg., San Antonio, have completed plans for municipal swimming pool, reinforced concrete, cost \$25,000.

Tex., Houston—Elevator—Harris County Houston Ship Channel Navigation Dist., B. C. Allin, Sec., receives bids June 25 for concrete grain elevator with steel shipping galleries; plans with John S. Metcalf Co., 108 S. La Salle St., Chicago, Ill. See Machinery Wanted—Elevator (Grain).\*

Tex., San Antonio—The Lakewood Co., care Tom Etheridge, 327 E. Huisache St., will construct dam on Stowers Ranch; reinforced concrete; 80 ft. high; cost \$75,000; will form lake for subdivision.

### Miscellaneous Enterprises

Ala., Birmingham—Quality Creamery Co., Inc.; F. E. Fugard, 523 S. 24th St.

Ala., Birmingham—Contracting—J. R. Payne & Co., capital \$10,000, incorporated; J. R. Payne, 1333 14th Ave., S.

Ala., Huntsville—Globe Furnishing Co., capital \$15,000, incorporated; A. Davis, Abe Pizitz.

Ala., Madison Station—Humphrey-Hughes Drug Co., Inc., capital \$10,000, incorporated; J. D. Humphrey, G. W. Hughes.

Ark., Fort Smith—City contemplates voting \$20,000 bonds for new fire equipment; M. J. Miller, in charge of finance.

Ark., Green Forest—Home Electric Co., incorporated, W. G. Coxsey, J. R. Crawford, D. C. Washington—Canadian Carbonizer Co., incorporated; E. M. Green, Washington Loan & Trust Bldg.

Fla., Daytona—David Sholtz, R. C. Green, 220 1/2 S. Beach, and associates reported to have acquired Daytona Morning Journal.

Fla., Daytona—Charles Chapman has 20 acre site at Holly Hill, reported to erect plant for manufacture of patented electro device.

Fla., Jacksonville—J. A. Kaufman, 1907 Riverside Ave., and others interested in organization of \$200,000 export and import corporation.

Fla., Jacksonville—Griner Hotels, Inc.,

chartered; Charles B. Griner, Pres.; Seminole Hotel, Carl B. Case, Sec.

Fla., Jacksonville—Walker Amusement Corp., capital \$5,000,000; Irving Walker, Pres., 65 Nassau St., New York; Simpson Walker, Sec.-Treas.

Fla., Miami—Biscayne Tent & Awning Co., 423 S. Miami Ave., will erect office, factory and sales building on S. W. Sixth St.; 49x145 ft., two stories, steel, reinforced concrete; James S. Fonner, Archt. and Contractor, Miami Beach.

Fla., Miami Beach—Transferring, etc.—Investment Properties, Inc., capital \$250,000, chartered; John H. Levi, Pres.; Chas. E. Clark, Sec.

Fla., Miami—Momand & Miller Office Equipment Co., 116 S. Miami Ave., capital \$250,000; F. F. Momand, Pres.; F. A. Miller, Sec.

Fla., Sarasota—Landers Printery, will erect 2-story building, acquired site.

Fla., St. Petersburg—City Coms., let contract to American LaFrance Fire Engine Co., Elmira, N. Y., at \$25,000 for additional fire fighting equipment.

Fla., St. Petersburg—Art Tile Co., C. S. Moss, Pres., Fifteenth and Second Ave., let contract to M. B. Welsh, for \$15,000 plant on Ganby Blvd.

Fla., Tampa—Tampa Commercial Hotel Co., capital \$500,000, incorporated; W. E. Dorchester, Citizens Bank Bldg.

Fla., Tampa—Contracting—Todd & Co., capital \$50,000, incorporated; J. D. Wilbanks, B. S. Todd, 400 Hampton St.

Fla., Savannah—A. S. Carr of Bainbridge, reported, interested in establishing central steam distilling plant for larger production of foled rosin, and gum products.

Ky., Glasgow—Pearson & Davis Funeral Service Co., incorporated, G. H. Davis, A. F. Pearson.

Ky., Louisville—Kaufman Construction Co., capital \$35,000, incorporated; Alph C. Kaufman, Leo P. Kaufman.

Ky., Louisville—Jones Dabney Varnish Co., 1481 S. Eleventh St., erect \$9000 addition.

Ky., Louisville—Inter-State Publishing Co., incorporated; Nat C. Cureton, Phil A. Hunt, 400 Stilz St.

Ky., Somerset—John N. Trimble Construction Co., capital \$10,000, incorporated; Beecher Smith, John N. Trimble.

La., Monroe—Insurance—Gregg-McKensie, capital \$25,000, incorporated; C. E. McKensie, 910 St. John St.

La., New Orleans—Beauregard Laundry Co., Inc., 801 N. Rampart St., increased capital to \$150,000.

La., Shreveport—Lloyd Battery Co., capital \$50,000, incorporated; C. H. Blount, E. A. Kerlin.

Md., Baltimore—Calvert Underwriters, Inc., 401 Maryland Trust Bldg., incorporated; Edward C. Myers, Clarence J. Porter.

Md., Baltimore—Guilford Construction Co., 503 Keyser Bldg., incorporated; Albert P. Strobel, Jr., Frederick H. Starr.

Md., Baltimore—Anida Construction Co., 563 Calvert Bldg., capital \$50,000, incorporated; Morris Mankowitz, Morris Roseman.

Md., Baltimore—Advertising—E. Lyell Gants, Inc., 1708 Citizens National Bank Bldg., incorporated; E. Lyell Gants, G. Henry Deering.

Md., Baltimore—Advertising—Green & Van Sant Co., Citizens Bank Bldg., incorporated; Harry E. Corner, H. K. Dugdale.

Md., Parkville—The Avon Construction Co., incorporated; John E. Russell, Wm. J. Weisland.

Md., Williamsport—Restaurant—Bowser & Busch, Inc., chartered, John P. Bowser, Chas. Busch.

Miss., Biloxi—Curtis Marine Service Co., capital \$50,000, incorporated; Louis E. Curtis, Niles Mosely.

Miss., Biloxi—W. H. Hunt, reported, establish \$40,000 amusement park at Dog Keys (island in Gulf of Mexico) contemplate changing name to "Isle of Caprice"; also bathing beach with floating palaces for amusements at Deer Island bar.

Miss., Laurel—Southern Novelty Co., lately noted incorporated to take over Royal Blue Glider Corp.; will probably erect plant at some other point to manufacture novelties only, construction in charge of Emil Reinbold.\*

Miss., Laurel—Southern Novelty Co., capital \$250,000, incorporated; W. E. Neill, Emil Reinbold.

Miss., Natchez—Chamberlain-Rice Hospital,

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

## CONSTRUCTION DEPARTMENT

capital \$50,000, incorporated; John F. Chambrelain, Main St.

Mo., Chamois—Bates & Rogers Construction Co., incorporated; Walter A. Rogers, D. B. Casswell.

Mo., Kansas City—Roofing, etc.—The Lee H. Gould Co., incorporated; Lee H. Gould; C. C. Cannon.

Mo., Kansas City—Sanford Levy Garment Co., capital \$20,000, incorporated; A. J. Granoff, 4232 Prospect St.

Mo., Kansas City—East Side Cleaning Co., capital \$15,000, incorporated; C. E. Vest, 6256 East Fifteenth St.

Mo., Kansas City—Graham-Carroll Publishing Co., capital \$17,000, incorporated; John J. Graham, 5025 Woodland St.

Mo., Kansas City—Bakery—B. L. Hoffman Investment Co., 223 E. Ninth St., will erect \$60,000 building cor. Ninth and Campbell St., 1-story, 109x160-ft., brick and plate glass; occupied by Servall Automatic System, operate sandwich and pie vending machines.

Mo., Kansas City—Liberty Garment Co., A. B. Passman, Pres., has plans by S. B. Tarbet, Archt., 507 Continental Bldg., for 100x120-ft. building, corner Twentieth and Broadway.\*

Mo., St. Louis—Superior Cleaning & Dyeing Co., capital \$9000; Human Mack, 4349 Manchester Ave.

Mo., St. Louis—Hagey Drug Co., capital \$10,000, incorporated; Jay Given Hagey, 4128 Botanical St.

Mo., St. Louis—Abe Manheimer & Co., 1408 Locust St., capital \$50,000, incorporated; Abe Manheimer, manufacture shoes.

Mo., St. Louis—Mississippi Laboratories, Inc., capital \$10,000, chartered; Clifford M. Hicks, Boatmen's Bank Bldg.

Mo., St. Louis—Drugs—The Fixaco Co., Inc., capital \$75,000; chartered; F. Jones, 3526 Wyoming St.

Mo., St. Louis—The Garden Theatre Co., capital \$60,000, incorporated; Joseph Solari, Moreland and Scott St.

Mo., St. Louis—Hotel Supplies—Wm. Ford Co., incorporated; W. S. Ford, 5540 Delmar St., K. G. Coffman.

Mo., St. Louis—Little Theaters Corp., capital \$10,000, incorporated; Meyer Blocher, Title Guaranty Bldg.

Mo., St. Louis—Kruse Greenhouses, Inc., capital \$60,000, incorporated; Wm. H. Kruse, 289 Arsenal St.

Mo., Sikeston—Old Line Life Insurance Co., capital \$25,000, incorporated; C. C. White, John N. Chaney.

Mo., Webb City—Blue Duck Chicken Hatchery of Lincoln, Neb., will probably establish 25,000 egg capacity hatchery.

N. C., Asheville—Carolina Creamery Co., 252 Patton Ave., increased capital, \$100,000 to \$250,000.

N. C., Beaufort—Davis Construction Corporation, capital \$100,000, incorporated; John S. Davis, T. C. Davis.

N. C., Farmville—Pitt County Insurance and Realty Co., capital \$50,000, incorporated; John T. Thorne, J. W. Holmes.

N. C., Hendersonville—Construction—Brown-Jordan Corp., capital \$100,000, chartered; Mrs. M. A. Brown, Florence Jordan.

N. C., High Point—M. H. Harmony contemplates erecting plant to manufacture electric irons.

N. C., Raleigh—Wm. C. Olsen, capital \$50,000, incorporated; Wm. C. Olsen, Masonic Temple Bldg., Theodore S. Johnson.

N. C., Shelby—Shelby Electric Co., capital \$50,000, incorporated; P. M. Washburn, R. T. Legrand.

N. C., Wilmington—Electric Bottling Co., increased capital, \$5000 to \$100,000.

N. C., Winston-Salem—Forsyth China Co., capital \$10,000, incorporated; Everett Straley, 112 N. Broad St.

Okl., Miami—Miami Drug Co., capital \$15,000, incorporated; G. O. Shepherd, L. B. McCarty.

Okl., Oklahoma City—Parrott-Head Tool Co., incorporated; Samuel Pledger, 822 W. 19th St.

Okl., Muskogee—Southern Butter Co., capital \$150,000, incorporated; W. K. Zachry, C. E. Kerns.

Okl., Tulsa—Tulsa Adjustable Tray Works, capital \$12,000, incorporated; James B. Porter, 1336 S. Boston St., Fred B. McNeal.

S. C., Columbia—Summerland Creamery, M. P. Hazel, Pres., will install ice cream factory.

S. C., Florence—Long Life Agency, Inc.,

## CONSTRUCTION DEPARTMENT

## Manufacturers Record

capital \$50,000, incorporated; J. C. Long, F. W. Willis.

S. C., Rock Hill—Motion Pictures—National Service, Inc., capital \$10,000, chartered; W. T. M. VanPlanck, M. S. Young.

Tenn., Columbia—Henry Porter, Chmn. Fire and Water Committee, let contract to American-LaFrance Fire Engine Co., Elmira, N. Y., for hook and ladder fire truck.

Tenn., Johnson City—Appalachian Hospital, increased capital \$20,000 to \$30,000.

Tenn., Knoxville—Wilhite-Ferguson Hardware Co., capital \$30,000, incorporated; Herman Wilhite, 2635 Jefferson Ave.

Tenn., Memphis—Newsom-Symington Candy Corp., 341-7 Hernando St., capital \$30,000, incorporated; J. G. Newsom, Pres.; will establish plant, daily capacity 200 cases daily.

Tenn., Memphis—Textile Products, Ltd., capital \$50,000, incorporated; C. M. Clay, Cotton Exchange Bldg.

Tex., Ballinger—Hicks Rubber Co., incorporated; Davis R. Hall, A. C. Cornell.

Tex., Belton—A. M. Monteith Abstract Co., capital \$22,000, incorporated; W. E. Monteith, A. L. Monteith.

Tex., Breckenridge—Oil Belt Assn., capital \$20,000, incorporated; J. E. Thompson, O. C. Goodwin.

Tex., Brenham—W. N. Elledge will erect bottling plant on Main St., 30x80 ft., brick, cement floor, steel roof.

Tex., Dallas—Standard Potash Co., capital \$10,000, incorporated; J. N. Steir, T. C. Leachman.

Tex., Fort Worth—Monning Dry Goods Co., increased capital, \$1,000,000 to \$1,500,000.

Tex., Gilmer—D. L. Dickson interested in erection of sweet potato curing plant, capacity 10,000 bushels.

Tex., Houston—Public Building Co., capital \$50,000, incorporated; O. L. White, 5215 Main St.

Tex., Houston—Petroleum Building Co., capital \$200,000, incorporated; W. W. Moore, Carter Bldg.

Tex., Houston—Gulf Transport & Trading Co., capital \$200,000, incorporated; J. H. Reynolds, J. W. Davis, 700 Bomar St.

Tex., Houston—Alexander-Bale Stores, Inc., 1602 McKinney St., increased capital, \$20,000 to \$40,000.

Tex., Kenedy—R. J. Evans, Kenedy Mattress Factory, will erect plant.

Tex., Paris—Bennett Printing Co., contemplates building \$75,000 printing plant, on S. Main St., brick and concrete.

Tex., San Antonio—Contractors—M. E. Glasscock, Inc., 3130 River St., capital \$30,000, chartered; M. E. Glasscock, G. N. Evans.

Tex., Three Rivers—See Water Works.

Tex., Waco—Ide Biscuit Co., Oklahoma City, reported to establish branch house.

Tex., Wills Point—R. F. Williams Hardwear Co., increased capital, \$10,000 to \$15,000.

Va., Gate City—W. H. and D. A. Johnson Insurance Agency, capital \$10,000, incorporated; W. F. C. Blackwell, Dungannon; W. H. Johnson, Gate City.

Va., Coeburn—The Industrial News, James A. Johnson, Editor-Owner, High and Second St., acquired printing plant of Coeburn Printing Corps.

Va., South Boston—Halifax Record Advertiser, Inc., chartered by Morrell Clark, Carroll Haedspeth; acquired Halifax Record Advertiser.

W. Va., Charleston—New River Construction Co., capital \$25,000, incorporated; J. E. Butler, Green Neely.

W. Va., Clarksburg—Pittsburgh Plate Glass Co., Frick Bldg., Pittsburgh, Pa., let contract to Wellman-Seaver Morgan Co. of Cleveland, Ohio, to install gas producers for two tank furnaces at Norwood window glass plant; engineering work handled by Pittsburgh office.

W. Va., Huntington—Floyd A. Chapman, Mayor, voted \$175,000 bond for additional fire fighting equipment.\*

W. Va., Huntington—Sewage Disposal Equipment—Kaustine Service Co., Inc., J. L. Murphy, District Sales Mgr., P. O. Box 1451, has been formed to meet growing demand coal field territory.

## Motor Bus Lines and Terminals

N. C., Lincolnton—B. & H. Coach Lines, Inc., capital \$100,000, incorporated; E. E. Bost, Newton; E. A. Huffstetler.

Okla., Eufaula—The Ward-Way, Muskogee, granted permit to operate bus line between McAlester and Eufaula.

Okla., Ponca City—L. H. Wentz will erect

\$45,000 garage; brick and concrete, 90x150 ft. two stories; building to be occupied by Glen L. Wigton Motor Co.

Tex., Dallas—Claude D. Cain, Ravenia St., applied for franchise to establish motor bus line for passenger transportation to White Rock and return.

## Motor Cars, Garages, Filling Stations

Ala., Fort Payne—Jordan-Miller Motor Co., Inc., capital \$30,000, incorporated; L. C. Jordan, A. A. Miller.

Ala., Sheffield—Service Motor Co., capital \$25,000, incorporated; A. P. Campbell, J. A. Lacefield.

Ala., Winfield—Hollis Motor Co., capital \$25,000, incorporated; Ed Hollis, Raymond W. Harris.

Ark., Little Rock—Gay Oil Co., Third St. and Broadway, let contract to Carter & Carter for \$150,000 building, first unit, two floors and basement to be constructed now; ultimate construction five stories; reinforced concrete, drive in filling station on first floor; offices above; Wittenberg, Deloney & Watts, Archts., So. Trust Bldg.; N. B. Garner, Engr., Gazette Bldg.\*

Fla., Miami—Clow Chevrolet Co. will erect \$17,000 garage on N. W. Twenty-second St.; one story, concrete block.

Ky., Covington—Fort Mitchell Garage Co., capital \$50,000, incorporated; Joseph Kuchle, Sr., Carl Kuchle.

Ky., Louisville—David-Kummert Co., Inc., chartered; Douglas M. David, Leo M. Kummert.

Ky., Owensboro—R. O'Flynn will erect brick service station, Fourth and Triplett Sts.; later plan erection of garage.

La., Baton Rouge—Downtown Storage, Inc., chartered; Benj. A. Day, H. C. Yarborough.

La., New Orleans—Abbott Motor Co., 1400 St. Charles St., let contract to R. P. Farnsworth & Co., Canal-Commercial Bldg., for 2-story showroom and garage building at St. Charles Ave. and Euterpe St.; cost \$47,146; Wm. T. Nolan, Archt., Canal-Commercial Bldg.

Md., Cumberland—T. A. Twigg will erect 2-story garage at 65 Lincoln St.

Md., Baltimore—Mayfield Garages & Filling Station, Inc., 2308 E. Madison St., capital \$35,000, incorporated; Rudolph Novak, Antoine Novak.

Md., Baltimore—R. B. Construction Co. has plans for two 1-story garages in rear of Kate Ave., each 33x25-ft., brick, estimated cost \$10,000.

Md., Baltimore—Thos. Mullan, 3945 Greenmount Ave., will erect \$50,000 corner Twentieth and Hope St., 1-story, 252x192-ft., steam heat, F. D. Warren, Archt., construction by owner.

Mo., Caruthersville—Mo-Ark Motor Co., Inc., chartered; F. N. Dawson, Deering, Mo.; O. H. Andrews, 2047 Higbee St., Memphis, Tenn.

Mo., St. Louis—Diana Motors Co., incorporated; Stewart McDonald, Stanley Moon, 5510 Waterman St.

Mo., St. Louis—Dorris Motors, Inc., chartered; H. B. Krenning, 707 Clark St.

N. C., Tabor—Spivey Motor Co., capital \$10,000, incorporated; M. D. Spivey, Whiteville; Ernest Cox, Tabor.

Tenn., Memphis—Lilly Auto Painting Co., capital \$100,000, changed name from Lilly Carriage Co.

Tenn., Memphis—National Refining Co., 793 Kentucky St., will erect filling station corner Madison Ave. and Bellevue Blvd.

Tenn., Memphis—Standard Oil Co., of Louisiana, acquired 238x87-ft. on Lamar Ave. and Walker Ave., erect filling station.

Tenn., Memphis—McClure Motor Co. Inc., 929 Union Ave., capital \$50,000, chartered; O. W. McClure, J. W. Magill.

Tenn., Nashville—Northern Garage Co., capital \$120,000, incorporated; Edwin C. Winn, E. E. Boyd.

Tex., Breckenridge—Rabbins-Mason, Inc., will erect auto sales building, brick and reinforced concrete; David S. Castle Co., Archts., Abilene, Tex.

Tex., Dallas—E. C. Tennison, 409 Second St., will erect one-story brick garage building; cost \$35,000.

Tex., Dallas—L. E. Rose, 1101 S. Harwood St., will erect brick garage and oil station.

Tex., Dallas—Nash-McLarty Motor Co., will occupy garage corner Second Ave. and Hickory St., 1-story, 173x200-ft.; estimated cost \$50,000; erected by E. C. Tenison, 4845 Gaston St., W. H. Reeves, Contr.

Tex., Houston—Dan A. Japhet, 1001 State National Bank, let contract to Don Hall, In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Cotton Exchange, Houston, at \$74,500 for garage building, 2-story, 100x150-ft., reinforced concrete, fireproof roof; A. C. Finn, Archt.\*

Tex., Lubbock—Rice Construction Co. will erect filling station corner Thirteenth and J. Ave., brick.

Tex., O'Donnell—Lynn County Motor Co., capital \$15,000, incorporated; Hallie Cowden Day, C. I. Kuykendall.

Tex., San Antonio—Pruitt & Lamm, 701 E. Commerce St., will erect garage on N. Alamo at Travis St.; fireproof, reinforced concrete, brick and hollow tile; two stories; cost \$35,000; Adams & Adams, Archts., Gibbs Bldg.

Tex., San Antonio—Locke & Wilson, Union Bus Station, let contract to G. W. Mitchell, 215 Stratford St., for remodeling 1-story building on Travis St.; also frame shed in rear; Adams & Adams, Archts., Builders Exchange Bldg.

Va., Lynchburg—Standard Oil Co. will erect filling station on Rivermont Ave.

### Road and Street Construction

Ala., Birmingham—City Commr. plans extending \$23,610 to pave along car tracks on several streets.

Ala., Brewton—State Highway Comm., Montgomery, receives bids July 8 for 1.17 mi. road between Brewton and Andalusia. 4639 cu. yd. common excavation and borrow, 9.322 sq. yd. one course concrete pavement; plans on file, and from Div. Engr., Selma; W. S. Keller, State Highway Engr.

Ala., Dadeville—State Highway Comm., Montgomery, will probably receive bids in July for road between Alexander City and Kellyton.

Ala., Dora—City let contract to Smith & Ballinger to pave Main St., from Railroad Ave. to city limits, and lay 4-ft. sidewalk from railroad crossing to Baptist Church. Address City Clk.

Ala., Selma—City plans paving Pettus, Abbott and McLeod Ave. and Union St. Address City Clk.

Ark., Pine Bluff—Jefferson County plans improving 8 mi. road between end of Hearnadale pike, Jefferson County and Cleveland County line; also contemplates improving Tamo Pike connecting Pine Bluff with Arkansas and Louisiana highway and free bridge road; R. H. Williams, County Judge.

D. C. Washington—Dist. Commrs. received low bids from McGuire & Rolfe, Virginia Rwy. & Power Bldg., Richmond, at about \$224,600 to repair and resurface 19 sections of streets.\*

D. C. Washington—Dist. Commrs. received low bid from W. F. Brenizer Co., 101 New York Ave. N. E., at about \$100,000 to lay cement sidewalks.\*

Fla., Babson Park—See Land Development.

Fla., Bradenton—City, R. H. Van Camp, Commr. of Public Works, receives bids June 8 to improve Fairview Ave.: Widen, pave, lay sewers and extend water mains, 9500 lin. ft. curb, reset 1500 lin. ft. concrete curb, scarpify and reshape 5400 sq. yd. pavement and base, 4000 cu. yd. excavation, lay 20,000 sq. yd. 4-in. base, relay 7650 sq. yd. old asphalt block pavement, with 15,900 sq. yd. new asphalt block pavement, construct 2 catch basins, 2850 lin. ft. 8-in. sanitary sewers, with about 3420 lin. ft. 6-in. laterals, 12 Type A manholes, lay 1300 lin. ft. 6-in. cast-iron water mains with necessary valves, hydrants, tees, crosses, plugs, valve boxes, also 60 ft. 10-in. cast-iron water main and lateral house lines; plans on file.

Fla., Bradenton—Manatee County Commrs. will receive bids for 16-ft. hard surfaced road of brick, concrete, asphalt or asphalt block wearing surface; Robt. H. Roesch, Clk.

Fla., Bronson—Levy County Commrs. plan hard surfacing 11 roads; contemplate \$1,500,000 bond issue: Road No. 19, from Fanning Bridge to Hardee; Hardee to Chiefland, Chiefland to Bronson, Bronson to Williston, and Williston to Marlon County line, \$500,000; No. 13, from Alachua County line, between Bronson and Archer, to Cedar Keys via Bronson, Lennon, Otter Creek, etc., \$500,000; repair road from Otter Creek, near Gunntown, Lebanon and on to Igles, \$150,000; build present road from Chiefland to Sumner, \$175,000; repair and complete Janney Vivets and Sumner, \$25,000; repair and complete road from State Road No. 19 via S. S. Smith's Store and through Judson Settlement toward Trenton, \$25,000; repair and complete road from Bronson, connecting with Otte Creek and Lebanon road, \$50,000; repair and straighten road from Morriston to Otter Cr. and Lebanon road, \$25,000; repair and

straighten public road from Williston to Alachua County line, \$10,000; from Bronson toward Newberry to County line, \$15,000.

Fla., Brooksville—See Land Development.

Fla., Cocoa—City let contract to Carl Fay to grade and pave streets; H. G. Brunson, Clk.

Fla., Crescent City—See Land Development.

Fla., Crestview—Okaloosa County Commrs., D. H. McCallum, Clk., receives bids June 15 to grade, construct drainage structures and sand clay surface 3 sections of roads: Dist. No. 3, Road No. 33, 1.04 mi. Crestview to District Line; Dist. No. 1, Road No. 33, 9.38 mi. from District Line north; Road No. 33, 9.053 mi. from Project 649 to Walton County line; plans on file and from State Div. Engr., Mariana.

Fla., Dayton Beach—City let contract to Southern Paving & Construction Co., Chattanooga, Tenn., for 20,000 sq. yd. street paving, including repaving Main St., laying sewer and paving Coates, Hollywood, Palmetto, Live Oak, etc.; \$80,000 bond issue available.\*

Fla., DeLand—City, Board of Bond Trustees, receives bids July 1 for about 140,000 sq. yd. brick, concrete or bituminous pavement with necessary curb, gutter and appurtenances; plans on file from J. B. McCrary Engineering Corp., Atlanta.

Fla., Fort Lauderdale—Broward County Commrs. plan building 2 roads; voted \$1,150,000 bonds; J. F. Charleston, Engr.\*

Fla., Jacksonville—Buck-Buck & Marshall, developers, 227 N. Forsyth St., let contract to Art & Ornamental Stone Co., 2550 Market St., for 5 mi. walks, 4 to 8-ft. wide, in Lake Shore development.

Fla., Miami—W. C. Wolfe and F. W. Symmes, 1174 N. W. Second St., contemplate toll road from point northwest of Miami to point east of Labelle.

Fla., Monticello—City plans street paving; votes June 18 on bonds. Address City Clk.

Fla., Okeechobee—State Road Dept., Tallahassee, plans paved highway from Okeechobee to Orlando and Kissimmee.

Fla., Orange City—See Land Development.

Fla., Palm City—Town plans 12 mi. 9-ft. rocked streets; votes June 17 on bonds; Orin Coffrin, Mayor; Grace Enos, Town Clk.\*

Fla., San Antonio—City plans improving about 4 1/2 mi. streets, cost \$54,000; about 3.67 mi. grading and surfacing with clay and Crystal River screenings streets in residence section. Address City Clk.

Fla., St. Augustine—St. Johns County plans building and improving 9 roads, totaling about 100 mi.; contemplates \$2,000,000 bond issue: 14 mi. Tocoi, from St. Augustine City limits to Julington Creek; 16 mi. St. Augustine City limits to Hastings town limits; 5 mi. Hastings south to Gopher Bridge; 16 mi. Durbin to Palm Valley; 8 mi. Anastasia Island Highway, from St. Augustine city limits to Matanzas inlet; 5 mi. Crescent Beach to Moultrie road, or proposed State Highway No. 4; 9 mi. Mill Creek to Picolata road; 5 mi. Mill Creek road to Orangeburg; bridge over Julington Creek between St. Johns and Duval Counties; bridge across Matanzas River near Crescent Beach and Moultrie; Kendrick Engineering Co., Engr.

Fla., St. Petersburg—City let contract to Davis, Miller & Cobb, Tampa, at about \$234,000 to widen 1/4 mi. Lakeview Ave. from 16 to 40 ft. and pave with asphalt block, 5-in. rock base and asphalt filler; Ernest Kitthen, Director of Public Works.\*

Fla., St. Petersburg—S. S. Martin, Director of Finance, plans opening First Ave. from Capac to Ninth St.; voted \$490,000 bonds.\*

Fla., St. Petersburg—City will receive bids for 30 and 40-ft. paving on Lakeview Ave. Address City Clk.

Fla., Tampa—Hillsborough County Commr. let contract to Union Paving Co., 108 S. La Salle St., Chicago, Ill., at about \$460,000 to pave Gandy Blvd., Michigan Ave., etc.\*

Fla., Tampa—See Land Development.

Fla., Wauchula—City plans street paving and improving, cost \$50,000. Address City Clk.

Fla., Webster—City plans grading and paving certain streets; votes June 30 on \$35,000 bonds. Address City Clk.

Fla., West Palm Beach—City contemplates expending \$800,000 to pave 60 blocks, including repaving and widening to 60-ft. Dixie Highway from Datura St. to Belvedere. Address City Mgr.

Ga., Atlanta—W. P. Price, Pur. Agt., receives bids this week to pave 7 streets; plans from Office of Chief of Construction.

Ga., Cartersville—Board of Aldermen receives bids June 12 for street improvement and storm drainage; 17.65 sq. yd. vitrified brick, concrete, sheet asphalt, asphaltic concrete, Finley Method type "A" or Finley sheet asphalt, 8600 sq. yd. reconstructed base course, 4765 sq. yd. sidewalk, 7.80 lin. ft. grading street excavation, 1325 lin. ft. 15 to 24-in. concrete or vitrified pipe; also to improve and widen Cassville St. and install storm drainage, 1334 sq. yd. sheet asphalt, asphaltic concrete, Finley sheet asphalt or Finley Method type "A," 1667 sq. yd. sidewalk, 3000 lin. ft. concrete or granite curbing, 1700 lin. ft. 15 to 24-in. concrete or vitrified pipe; plans from Thomas A. Upshaw, City Clk., and Knox T. Thomas, Engr., 308 Wynne-Claughton Bldg., Atlanta.

Ga., Columbus—City, Walter A. Richards, Mgr., plans widening Eleventh St. between First and Sixth Aves.; also plans paving and re-treating with tarvia 9 streets.

Ga., Covington—City let contract to Whitley Construction Co., LaGrange for street paving, approximate cost \$55,000.\*

Ga., Dalton—City, Dr. J. G. McAfee, Mayor, receives bids June 15 for street paving, curbs and gutters, storm drainage and grading; E. V. Camp and Associates, Consult. & Testing Engrs., Moreland and DeKalb Ave., Atlanta.\*

Ga., Savannah—City, J. W. Motte, Director of Public Works, let contract to Pritchard, Raines & Hazelhurst Construction Co., S. B. & T. Bldg., at \$9991 to pave Forty-first St. between Habersham and Reynolds, with sheet asphalt.\*

Ga., Trenton—Dade County plans graded road from Trenton over Sand Mountain to connect with road under construction from Flat Rock, Ala. Address County Commrs.

Kentucky—State Highway Comm., Frankfort, let contracts for surface treatment of 3 roads, totaling 280.94 mi.: R. B. Tyler Co., Louisville, at \$130,616, for 21 roads; Southern Oil & Tar Co., Louisville, \$70,000, for 8 roads; F. G. Breslin, Louisville, \$13,648 for one road; Eaton Oil Works, Cincinnati, \$5000 for 2 roads.\*

Ky., Henderson—Commr. of Public Works receives bids June 11 to lay permanent pavement, roadway or street, on Second St. between Water and Ingram St., also wooden curbs, catch basins, inlets, manholes, lamp holes; plans from Clay F. Hall, Mayor.

Ky., Maysville—Mason County plans rebuilding roads; may vote July 25 on \$350,000 bonds; Jas. H. Rees, County Atty.

La., Alexandria—Rapides Parish Police Jury plans building, maintaining and improving roads in Road Dist. No. 31; contemplates \$24,000 bond issue.

La., Edgard—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, let contract to O. O. Melancon, New Orleans, to build and gravel branch road, from Hammond-New Orleans highway at intersection with Ory link, to Frenier, on Lake Pontchartrain.

La., Oberlin—Allen Parish Board of Supervs., Road Dist. No. 4, Henry Chaney, Sec., receives bids July 9, to grade, bridge and grave about 11.5 mi. road; plans on file and from C. H. Fenstermaker, Dist. Engr., Elizabeth La.

Maryland—State Roads Comm., 601 Garrett Bldg., Baltimore, received low bids for 3 roads and 2 bridges: Baltimore City, .78 mi. sheet asphalt surfacing along Edmondson Ave., from Hilton to Walnut, Baltimore Asphalt Block & Tile Co., 1320 N. Monroe St., Baltimore, \$59,658; Somerset County, 1 mi. concrete surfacing, Westover toward Manokin, St. Michaels Construction Co., \$24,017; Worcester County, 1.12 mi. concrete surfacing, end of Cont. Wo-34 toward Public Landing, St. Michaels Construction Co., \$27,623; Washington County, bridge over Great Tonoloway Creek from Hagerstown to Cumberland, Poffinberger & Morse, \$8730; over Tonoloway Creek, from Hagerstown to Cumberland at western limits of Hancock, Poffinberger & Morse, \$6168.\*

Md., Annapolis—Anne Arundel County Commrs., let contract to Elmer S. Stallings, Brooklyn, R. F. D., Md., to improve and gravel 1 mi. road from Quarter Field to Smith's Station.\*

Md., Baltimore—City Commrs. for Opening Streets, John H. Robinette, Pres., let contract to Arundel Construction Co., Knickerbocker Bldg., to grade and pave slope in front of Polytechnic Institute.\*

Md., Baltimore—City, Board of Estimates let contract to Arundel Construction Co., Knickerbocker Bldg., at \$31,375, to pave sections of West, Bath, Monument and Durham St.; to American Paving & Contracting Co., Montebello Ave. and B. & O. R. R. at

## CONSTRUCTION DEPARTMENT

## Manufacturers Record

\$86,939 for sections of Aisquith, Twentieth and Taylor St.

Md., Baltimore—City, Howard W. Jackson, Mayor, approved plan for Bolton St. approach to Fifth Regiment Armory.

Md., Cumberland—Allegany County Comms., let contract to S. Tilden Brotemarkle at 54 cents per cu. yd., to grade Schaidts Lane from Goethe St. towards Naves Cross road.

Md., Towson—Baltimore County, Samuel A. Green, Roads Engr., let contract to P. Reddington & Sons, 2 E. Lexington St., Baltimore, at \$75,184 for 2 concrete roads, totaling 2.5 mi.\*

Miss., McComb—Board of Aldermen plan expending \$15,000 for sidewalks; also several walks around high and grammar schools; Lee W. King, City Engr.

Miss., Durant—City let contract to B. E. and G. R. Stroud to grade streets; city plans graveling principal streets. Address City Clk.

Miss., Waynesboro—Wodward-Pleasant Grove Separate Road Dist. Comms., receive bids at Waynesboro June 15 for 18 mi. Waynesboro-Laurel highway, from Chickasawhay River Bridge to Wayne County line; plans from Chancery Clk. and J. L. Wheeless, Engr., Hattiesburg.

Mo., Cape Girardeau—State Highway Dept., Jefferson City, let contract to Robert Carman Construction Co., Caruthersville, at \$44,739, for 2 sections of roads from Cape Girardeau south.\*

Mo., Farmington—St. Francois County receives bids June 19 for 3.03 mi. road through Deslogos, St. Francois and Flat River. 20,592 cu. yd. earthwork, 35,400 sq. yd. concrete pavement, 21,239 lbs. steel reinforcement; plans from Marvin W. Crowder, County Clk., and Swank-Tanner Engineering Co., Engrs., Charleston.

Mo., Kansas City—Board of Public Works let contract to Brosnahan Brothers, at \$2.99 per sq. yd. to pave Twentieth St. with 10-in. concrete pavement; to J. O. Patterson, at \$3.77 per sq. yd. to pave Seventh St. with 8-in. concrete base, 1½-in. rock asphalt top; received low bid from E. D. Tyner Construction Co., 14th & Elmwood St., at \$3.89 per sq. yd. to pave Twelfth St. with 8-in. concrete base, and 2-in. rock asphalt top.

Mo., Maryville—City, Merle C. Smith, City Clk., receives bids June 22 to pave Fillmore St. from Fourth to Eighth with reinforced concrete; plans from E. T. Archer & Co., Cons'tl. Engr., New England Bldg., Kansas City.\*

Mo., St. Louis—Board of Public Service receives bids this week for waterbound macadam road from Hog Hollow road to Little Lake road, St. Louis County; plans from Water Commr., Room 312 City Hall.

Mo., St. Louis—Board of Public Service receives bids June 9 to rebuild Kingshighway Blvd. from Arsenal St. to Devonshire; Grand Blvd. and Grand Kingshighway from Kansas St. and Kingshighway to Neosho St.; Morgan St. from Fourteenth to Jefferson Ave.; plans from Pres., Room 300 City Hall.

N. C., Beaufort—Carteret County Comms., W. L. Stancil, Clk., receives bids June 15 for about 10 mi. concrete or asphalt pavement with necessary excavation, borrow and dicting; plans from County Auditor, and Geo. J. Brooks, Engr.

N. C., Elizabeth City—Pasquotank Highway Comn., and Board of County Comms., plan paving 3½ mi. road from Old Weeksville, to and across Simonds Creek Bridge.

N. C., Elizabeth City—Pasquotank Highway Comn., S. G. Scott, Chmn., receives bids this week for 2.3 mi. hard surface Fork road; plans on file; J. R. Ford, Engr., Box 232, Elizabeth City.

N. C., Morehead City—Board of Comms., Luther Hamilton, Mayor, receives bids June 8 for 24,000 sq. yd. asphaltic pavement on Portland cement concrete foundation, or one course Portland cement concrete pavement, 9,000 sq. yd. concrete sidewalks; 15,000 ft. concrete curb and gutter; 17,000 ft. sewers; plans on file; R. D. Gladding, Cons'tl. Engr., Wilson, N. C.

N. C., Murphy—Cherokee County Road Comn., will receive bids for 2 roads: From Ditmoore branch on Notla-Shoal Creek road to Hothouse Township line; in Beaverdam Township from Uncol Gap on Tennessee-North Carolina line to Appalachia road, near Shuler's Creek.

N. C., High Point—City plans street improvement; contemplates \$250,000 bond election; John W. Hedrick, Mayor.

Okla., Blackwell—City, Dwight Randall, Clk., receives bids this week to pave and improve 2 streets and alleys in Street Improvement Dist. No. 27, brick and concrete; Wm. Ritzhaupt, Jr., City Engr.

Okl., Sulphur—See Land Development.

S. C., Charleston—Charleston County Sanitary & Drainage Comn., receives bids June 18 for 25,000 yd. plain concrete paving, including shoulders and fine grading, in St. Andrews Township; plans on file; Jas. W. Martin, Engr.

S. C., Charleston—Charleston County Sanitary & Drainage Comn., plans concrete paving on Ashley River road from Maryville turn-off to Graham Church.

S. C., Clinton—City, J. F. Jacobs, Mayor, plans street paving; voted \$160,000 bonds.\*

S. C., Columbia—City plans laying sidewalk and curbing on street from Green St. into Maxey Gregg Park. Address City Clk.

S. C., Greenville—City plans paving portion of Earle St. Address City Clk.

S. C., Spartanburg—City plans widening, paving and extending West Main St. Address City Clk.

Tenn., Alton Park, Branch Chattanooga—City plans street and curb improvement; voted \$25,000 bonds. Address City Clk.\*

Tenn., Clinton—City plans expending \$75,000 for paving; Glenn C. Medaris, Mayor.

Tenn., Dickson—City, H. T. V. Miller, Mayor, receives bids June 15 to grade ¼ mi. Main St., 5571 cu. yd. two course rock base, and rock asphalt surface; plans on file.

Tenn., Jackson—City, C. E. Griffin, Comm'r. of Public Utilities, receives bids June 11 for 43,000 sq. yd. pavement; 27,000 lin. ft. concrete curb and gutter; 1100 ft. storm sewer, sheet asphalt, Topeka and vertical fibre brick on concrete base, and 6-in. one course concrete pavement; E. R. Dilke, City Engr.

Tenn., Knoxville—See Land Development.

Tenn., Memphis—City, Rowlett Paine, Mayor, plans improving 9 streets in residence section; Will Fowler, City Engr.

Tenn., Nashville—Board of City Park Comm., R. T. Creighton, plans boulevard approaching and encircling Parthenon in Centennial Park.

Tenn., St. Elmo Branch, Chattanooga—City, W. B. Rollins, Mayor, plans laying curbs and gutters; voted \$25,000 bonds.\*

Tenn., Union City—Dept. of Highways and Public Works, Nashville, will receive bids June 20 to extend Jeff Davis Highway from Troy to Obio; J. G. Creveling, Jr., Commr.

Tenn., Waynesboro—Wayne County and State Highway Comn., Nashville, plan through highway from Florence into Tennessee to Waynesboro, Jackson and Memphis to connect with Chisholm road. Address County Commr.

Tenn., Alpine—Brewster County receives bids June 12 for 5.13 mi. State Highway No. 366,075 cu. yd. earth roadway, loose and solid rock and borrow excavation, 64,144 lbs. reinforcing steel; plans from A. L. White, County Engr., Marathon, and State Highway Dept., Austin; James A. Burke, County Judge.\* Lately noted bids May 8.

Tenn., Anderson—Grimes County received low bids from Womack Construction Co., Sherman, at \$37,067 to grade and bridge 6.71 mi. State Highway No. 6, from Walker County line to point 4.1 mi. south of Navasota.\*

Tenn., Brenham—Washington County let contract to H. J. Evans, 500 W. 15th St., Austin, at \$29,173 to grade 12 mi. Independence road, and B. H. Faber & W. C. Swindell, Houston, at \$47,659 for bridges.\*

Tenn., Center—Shelby County plans grading and bridges on State Highway No. 36, from Timpson east to line of Dist. Nos. 1 and 4, estimated cost \$44,500; F. C. Powell, County Judge.

Tenn., Corsicana—Navarro County plans permanent type roads; votes June 20 on \$6,000,000 bonds; W. W. McClelland, County Engr.; Ballard W. George, County Judge.\*

Tenn., Fairfield—Freestone County received low bid from J. S. Paxton, Palestine, at \$15,037, for grading and drainage structures on 6.85 mi. State Highway No. 7, Teague-Fairfield field road.\*

Tenn., Fort Worth—Tarrant County Comms., interested in widening Fort Worth-Dallas Highway to 40 ft. from city limits to east county line; D. A. Davis, County Engr.

Tenn., Gatesville—Coryell County receives bids June 11 to grade, bridge and gravel surface 3.18 mi. State Highway No. 39, Gatesville to Juvenile Training School, 22,681 cu. yd. earth roadway excavation and borrow, 33,875 lbs. reinforcing steel; M. L. Minter, County Engr.; L. M. Stinnett, County Judge.

Tenn., Gonzales—State Highway Dept., Austin, approved plans to grade and bridge 10.88 mi. State Highway No. 81, estimated cost \$78,000; J. G. Irby, County Engr.; J. C. Romberg, County Judge.

Tenn., Henrietta—State Highway Dept., Austin, approved plans to grade and bridge 2 roads; 10.24 mi. State Highway No. 5, estimated cost \$61,000; 6.89 mi. State Highway No. 52, estimated cost \$30,150; D. M. Puckett, County Engr.; J. T. Williams, County Judge.

Tenn., Henderson—Rusk County plans connecting Chapman highway with Carthage highway, and completing Mount Enterprise road to County line. Address County Commissioners.

Tenn., Houston—City, O. F. Holcombe, Mayor, received low bids for street paving: La. Branch from Holman to city limits. Gulf Bitulithic Co., 701 Foster Bldg., \$78,396; Sixth St. from Heights Blvd. to Usener Blvd., Scott Shambaugh, 203 Larendon Bldg., \$57,844; Bank St. from Montrose Blvd. to Graustark Ave., Smith Bros., American National Bank Bldg., Dallas, \$13,314; gravel Holman Ave. from Dowling St. to S. A. P. tracks, W. A. Smith.

Tenn., Houston—Harris County Comms. received low bid from A. M. Arnold, Keystone Bldg., for gravel roadways and sidewalks at Jefferson Davis Hospital.

Tenn., Laredo—Webb County let contract to Henry B. Zachry, Laredo, at about \$80,000 for 10.78 mi. State Highway No. 12-A, from Laredo east toward Mirando City; will receive bids later for bituminous topping from Laredo to Mirando City; A. Winslow, County Judge.\*

Tenn., Laredo—Webb County plans 1.59 mi. gravel surface State Highway No. 2; T. E. Huffman, County Engr.; A. Winslow, County Judge.

Tenn., LaGrange—Fayette County will build 8.4 mi. Road Dist. No. 9; let contract to Austin Bridge Co., 1815 Clarence St., Dallas, for bridges; R. E. Schiller, Judge.

Tenn., Liberty—Liberty County received low bid from K. Norton, 2202 Clay St., Houston, at \$23,591, to place gravel on State Highway No. 3; W. C. Youngs, Engr., Dayton, Tex.; C. R. Wilson, Judge.

Tenn., Linden—Cass County received low bid from G. G. and C. W. Burgess, Naples, at \$57,788 to grade and bridge 9.45 mi. State Highway No. 8, from Linden to Marion County line.\*

Tenn., Memphis—Hall County plans 1.12 mi. concrete State Highway No. 5; C. L. Hasie, County Engr., Box 168; A. C. Hoffman, County Judge.

Tenn., Orange—Treasury Dept., Jas. A. Wetmore, Acting Supvg. Archt., Washington, D. C. receives bids June 11 for cement sidewalks and street curbs at U. S. Postoffice; plans from Construction Engr.

Tenn., Port Arthur—City plans street paving and storm sewer installation; \$300,000 available; Nagle, Witt & Rollins, Courthouse, Dallas, Supvg. Engrs.; J. P. Logan, Mayor.

Tenn., Port Texas—City will receive bids soon for 90,000 yd. asphaltic, rock asphalt or brick paving, cost \$290,000; J. P. Logan, Mayor; J. O. Herpin, City Engr.; Nagle, Witt & Rollins, Engrs., Keystone Bldg., Houston.

Tenn., San Antonio—City received low bids at \$149,555 to pave LaBranch, Sixth and Bank St.; Gulf Bitulithic Co., 801 Bankers Mortgage Bldg., Houston, Smith Bros., 2402 W. Dallas St., Houston, and Scott Shambaugh.

Tenn., San Diego—State Highway Dept., Austin, approved plan to grade and bridge 15.76 mi. State Highway No. 12-A, Duval County, estimated cost \$14,785; F. E. Hess, County Engr.; G. A. Parr, County Judge.

Tenn., Seguin—State Highway Comn., F. V. Lanham, Chmn., Austin, receives bids June 29 for 3 roads 5.13 mi. gravel and 1-in. rock asphalt surface, State Highway No. 3, Guadalupe County, from point east of Seguin toward Gonzales County line, 51,180 sq. yd. 1-in. rock asphalt, alternate bids, 1½-in. triple bituminous surface treatment; 10.01 mi. triple inverted penetration bituminous topping, State Highway No. 3, from Seguin to Sta. 377 plus 00, and from Sta. 651 to Gonzales County line, 98,539 sq. yd.; Lloyd Taylor, County Engr.

Tenn., Stamford—City plans street paving; B. F. Davenport, Mayor; Maj. W. J. Powell, Engr., 311 Southwestern Life Bldg., Dallas.

Tenn., Sulphur Springs—Hopkins County plans grading and bridges on 8.84 mi. State Highway No. 1; J. B. Rieman, County Engr.; Geo. C. Stephens, County Judge.

Tenn., Sweetwater—Nolan County plans 9.1 mi. gravel road on State Highway No. 7; John A. Foch, County Engr.; A. S. Mauzey, County Judge.

Tenn., Waco—City Comn. plans paving North Eleventh St. with asphaltic concrete; E. E. McAdams, City Mgr.\*

Virginia—State Highway Comm., Richmond, received low bids for 4 roads and bridge: Prince William County, 2.8 mi. concrete north and south of Dumfries, C. S. Luck & Sons, \$105,816; road north of Ashland, H. H. George, Jr., Son, Richmond, \$138,008; Charlotte and Campbell Counties, 5½ mi. soil road near Phenix, W. L. Peacock, Greensboro, N. C., \$58,046; Chesterfield County, .28 mi. concrete to bridge over Appomattox River, Southern Construction Co., Petersburg, Va., \$12,542; Russell County, bridge over Lick Creek at Hamlin, Robert W. Curtis, Lynchburg, Va., \$5380.\*

Va., Abingdon—Washington County Board of Supervisors receives bids this week to rebuild 6 roads: 2.23 mi. Craig's Bridge, 2900 cu. yd. excavation, 15,700 sq. yd. waterbound macadam; .32 mi. Main St. of Glades Springs, 2250 sq. yd. bituminous macadam, alternate bids of waterbound macadam; 1 mi. Snodgrass, 2389 cu. yd. excavation; 1.04 mi. Washington Springs or McCall's Gap, 2121 cu. yd. excavation; 1.05 mi. Ragsdale Crossing, 2950 cu. yd. excavation; 1.02 mi. Plum Creek, 2852 cu. yd. excavation, 7200 sq. yd. waterbound macadam; plans from County Clk.

Va., Richlands—City, R. O. Morgan, Mayor, let contract to R. B. Berry, Pounding Mill, Va., to concrete Second St.\*

West Virginia—State Road Comm., Charleson, let contract for 7 roads: Greenbrier County, .6 mi. bituminous macadam, Douglas-Boone Construction Co., Lewisburg; Brooks County, 1.25 mi. concrete, Consolidated Engineering Co., Wheeling; Marshall County, 3.6 mi. grading, Seiple-Wolf Construction Co., Belmont, Ohio; Marlon County, 2.03 mi. concrete, W. A. Wilson & Sons, St. Marys; Wetzel County, 1.2 mi. concrete, W. A. Wilson & Sons; Berkeley County, 6.27 mi. bituminous macadam, J. J. Battershill & Son, Charlestown, Va.; Tucker County, 4.4 mi. grading, Keeley Construction Co., Clarksburg.\*

W. Va., Huntington—Board of Commrs. receives bids June 15 to grade, pave and curb Fifth Ave., Chesapeake Court and Five-and-One-Half Alley; plans from A. B. Maupin, County Engr.

W. Va., Huntington—City let contracts at \$26,108 to pave 5 streets and alleys; Lucian Bias; T. C. Griffith, 450 Adams Ave.; Harrisons & Dean; Amos Trainor, 1128 Ninth Ave.

W. Va., Spencer—Roane County, Curtis Dist., plans grading road between Ripley and Spencer; voted \$75,000 bonds. Address County Commrs.\*

W. Va., Weston—Lewis County, Courthouse Dist., plans improving about 15 mi. roads; contemplates \$400,000 bond election. Address County Commrs.

### Sewer Construction

Ala., Selma—City contemplates expending \$160,000 for sewer extensions. Address Mayor Rowell.

Ark., Hot Springs—Nick Peay Construction Co., Moore & Turner Bldg., Little Rock, was lowest bidder at \$13,000, for government portion of sewer from Fountain St. to Bridge St.; Harry A. Jones, Mayor; Dr. Joseph Bolton, Supervisor of Hot Springs National Park.

Fla., Babson Park—See Land Development.

Fla., Bradenton—See Road and Street Construction.

Fla., Cocoa—City let contract to J. B. McCrary Co., Atlanta, Ga., for curbing, storm sewers and gutters.

Fla., Crescent City—See Land Development.

Fla., DeLand—Board of Bond Trustees receive bids July 1 for sanitary and storm sewers. See Machinery Wanted—Water Works and Storm Sewers.

Fla., Largo—See Land Development.

Fla., Miami—J. B. McCrary Co., Atlanta, Ga., reported to have contract for sewers, cost about \$85,000.

Fla., Orange City—See Land Development.

Fla., Sanford—See Land Development.

Fla., Tampa—City, W. Lesley Brown, Mgr., receives bids June 16 for sanitary sewers. (See Machinery Wanted—Sewer Construction).

Fla., Tampa—See Land Development.

Ga., Cartersville—See Road and Street Construction.

Ga., Dalton—City voted \$20,000 sewer extension bonds. Address The Mayor.\*

Md., Baltimore—Board of Awards, Mayor Howard W. Jackson, Pres., receives bids June 10 for lateral sanitary sewers. (See Machinery Wanted—Sewer System.)

Md., Catonsville—County Commrs., A. E. Walden, Chf. Engr., Metropolitan District,

Towson, receives bids June 22 for sewers. (See Machinery Wanted—Sewers).

Mo., Cape Girardeau—City let contract at \$43,301 to W. P. McGeorge & Co., 1719 Cherry St., Pine Bluff, Ark., to install Normal Sewer.\*

Mo., Jefferson City—City, Mayor Thomas, considering installing sewer system; R. L. plant; Riddle Co., West Palm Beach, Engrs.\* State Bldg., Kansas City.

Mo., St. Louis—Board of Public Service receives bids June 9 for sewer. (See Machinery Wanted—Sewer System.)

Mo., West Plains—City, J. P. Harlin, Mayor, defeated \$50,000 sewer bonds.\*

N. C., Asheville—Buncombe County Commissioners interested in constructing sewer line through Swannanoa Valley.

N. C., Gibson—See Water Works.

N. C., High Point—See Water Works.

Okla., Oklahoma City—Warren E. Moore, Commr. Public Works, has plans by E. S. Rankin, Engr., of Pierce, Greeley & Hansen Co., Chicago, Ill., for sewage disposal plant.

Okla., Blackwell—City contemplates extending sewer system. Address The Mayor.

S. C., McCormick—See Water Works.

Tenn., Jackson—See Road and Street Construction.

Tenn., St. Elmo—City, W. B. Rollins, Mayor, voted \$20,000 park and schools bonds \$15,000 sewer bonds.

Tex., Crowell—City, J. Edgar Kimsey, Sec., let contract to Roy Irick, Plainview, for sanitary sewer and disposal plant; including Imhoff tank, dosing chamber, sprinkling filter and sludge bed; Devlin Engineering Co., Engrs., 119 Central Bldg., Amarillo.\*

Tex., Donna—Chapin Paving Co., Donna, has contract for sewer system, cost \$18,700; H. J. Wilson, Engr.

Tex., Houston—W. T. Carter Lumber and Building Co., 1201 Capitol Ave., is receiving bids for sanitary sewer system in Garden Villas; work under supervision of G. L. Fugate, City Engr.

Tex., Lamesa—City let contract at \$64,173 to T. J. Whalen, Lubbock, for waterworks and sewer improvements; Hawley & Roberts, 403 Cotton Exchange Bldg., Fort Worth, Engrs.\*

Tex., Palestine—City will probably vote on bonds for acquisition of sewer plant; A. B. Barton, City Atty.

Tex., Palmer—City will vote on \$20,000 sewer bonds; E. L. Dalton, 319 Wilson Bldg., Dallas, Consrt. Engr.

Tex., Port Arthur—City, J. C. Hamilton, Clk., receives bids June 8 for sanitary sewers. (See Machinery Wanted—Sewer Construction.)

Tex., Port Arthur—See Road and Street Construction.

Tex., Wichita Falls—Montgomery & Ward, 1016 National Bank Bldg., will prepare plans for sewer improvements; will probably vote on bonds; John H. Gregory, Baltimore, Md., Consrt. Engrs.\*

W. Va., Huntington—City voted \$791,000 sewer bonds. Address The Mayor.\*

### Telephone Systems

Ala., Birmingham—Southern Bell Telephone & Telegraph Co., Atlanta, Ga., reported to plan installation of automatic switchboard; cost about \$10,000; T. Barton Baird, Mgr.

Fla., Miami—Southern Bell Telephone & Telegraph Co., Atlanta, Ga., received low bid from Barge-Thompson Co., 61½ N. Forsyth St., Atlanta, Ga., for Flagler exchange; Marye, Alger & Alger, Archts., Walton Bldg., Atlanta.

Mo., Joplin—Home Telephone Co., W. O. Randall, Gen. Supt., has plans for expending \$150,000 in service extensions and building improvements; including addition to present exchange at 316 Joplin St., laying new cables, etc.

N. C., Winston-Salem—Southern Bell Telephone & Telegraph Co., W. B. Little, Dist. Mgr., main office Atlanta, Ga., establish toll line to Jefferson, West Jefferson and Sparta; C. R. Craven, local Mgr.

Ola., Tulsa—Dr. E. W. Wright, New Wright Bldg., and associates interested in tension \$45,000 radio station.

Tenn., Knoxville—See Land Development.

Tex., Brownsville—Lieut. Commander H. K. Fenn, Chief of N. S. Naval radio inspection service, reported, plans installing \$175,000 naval super radio station at Fort Brown; will remodel present station, building and towers, equip with two-tube sets, one of

one-half kilowatt capacity and other 20 kilowatt capacity.

Tex., Galveston—O'Connell Electric Co. of Rochester, N. Y., has contract for power line for new naval radio compass station at Fort San Jacinto; J. Anthony Krigel, in charge of station.

### Textile Mills

Ga., Jackson—Pepperton Cotton Mills, H. O. Ball, Treas., are having plans prepared by Lockwood, Greene & Co., Engrs., Healey Bldg., Atlanta, for electrifying mill; will purchase power from Central George Power Co., Macon, Ga.; will soon let contract for motors.\*

N. C., Asheville—Sayles Finishing Co., Saylesville, R. I., let contract to Fiske-Carter Construction Co., Masonic Temple Bldg., Greenville, S. C., for mill building; J. E. Surrine & Co., Engrs., 309 S. Main St., Greenville, S. C.\*

N. C., Belmont—Lineberger-Stowe Interests, owners of National Yarn Mills plan mercerizing plant.

Tenn., Clinton—Magnet Knitting Mills, C. S. Kincaid, Treas., will increase capital \$300,000 to \$600,000; will erect hosiery mill; let contract to Textile Machine Works, Reading, Pa., for full fashion machinery; J. E. Surrine & Co., Engrs., Greenville, S. C.

Va., Roanoke—Viscose Corporation reported to have let contract to John P. Pettyjohn & Co., 212 Eighth St., Lynchburg, for plant addition; reinforced concrete and brick; cost about \$500,000.\*

W. Va., Martinsburg—Interwoven Hosiery Mills reported to erect \$200,000 addition; three story and basement, brick, cement and steel.

### Water Works

Fla., Babson Park—See Land Development.

Fla., Bradenton—See Road and Street Construction.

Fla., Crescent City—See Electric Light and Power Plant.

Fla., DeLand—Board of Bond Trustees receives bids July 1 for constructing water works, sanitary and storm sewer systems. (See Machinery Wanted—Water Works and Sewers).

Fla., Dundee—City voted \$25,000 water bonds. Address The Mayor.

Fla., Fort Lauderdale—City contemplates voting on \$200,000 water extension bonds. Address The Mayor.

Fla., Jacksonville—See Land Development.

Fla., Largo—See Land Development.

Fla., Live Oak—City let contract for drilling water well; M. J. Gray, in charge of construction.

Fla., Orange City—See Land Development.

Fla., Palm City—City votes June 27 on bonds for water works and electric light plant; Riddle & Co., West Palm Beach, Engrs.\*

Fla., Sanford—See Land Development.

Fla., Tampa—See Land Development.

Fla., Webster—City votes June 30 on bonds for water works system and improvements to electric light system. Address City Clk.

Ga., Macon—City, Jno. L. Anderson, Chrmn. Board of Water Commrs., receives bids June 30 for Southside Reservoir. (See Machinery Wanted—Reservoir.)

La., Lafayette—State Board of Health interested in filtration plant; J. H. O'Neill, Sanitary Engr.

Md., Baltimore—Board of Awards, Mayor, Howard W. Jackson, Pres., receives bids June 10 for superstructures of buildings for additions to Montebello filters. (See Machinery Wanted—Water Works).

N. C., Gibson—J. B. McCrary Co., Atlanta, Ga., reported to have contract for water and sewer systems.\*

N. C., High Point—City will vote on \$350,000 water and \$100,000 sewer bonds. Jno. W. Hedrick, Mayor.\*

S. C., McCormick—City votes June 16 on \$53,000 water works bonds. \$43,000 sewer bonds; \$28,000 electric light bonds. Address The Mayor.

Tenn., Clinton—Town, Glenn C. Medaris, Mayor, will install water works plant; will open machinery and construction bids in August; will install machinery to cost \$110,000; Campbell Wallace, Empire Bldg., Knoxville, Engr.\*

Tenn., Jonesboro—Washington County Poor Farm Comsn. let contract to J. S. Bond, Johnson City, for water system; compressed air water pump and tank.\*

Tenn., Knoxville—City, Alexander Harris, Director of Public Service, will install 1200 h.p. motor at water works.

Tenn., Trezevant—City contemplates voting on \$20,000 water bonds. Address The Mayor.

Tex., Donna—C. W. Richmond, McAllen, has contract for water works improvements; Chicago Bridge & Iron Works, 2106 Old Colony Bldg., Chicago, Ill., has contract for tank.

Tex., Naples—City will vote on \$45,000 bonds for water works improvements; E. L. Dalton, 319 Wilson Bldg., Dallas, Const. Engr.

Tex., Novice—Novice Waterworks Co., incorporated; R. L. Bates, C. A. Parker.

Tex., Three Rivers—Three Rivers Glass Co., San Antonio, interested in water works system for town of over 1000 population; wants pipe, fire hydrants, 50,000 gal. tank and tower; also power plant for Three Rivers Glass Co., including gas engines and generators, 150 horsepower; will also provide electric lights for town. (See Machinery Wanted—Water Tanks.)

Tex., Vernon—City, H. S. Hall, Sec., rejected bids for water works improvements; will revise plans, call for new bids.

Va., Rural Retreat—City voted \$42,000 bonds for water works. Address The Mayor.

Va., Roanoke—City, W. P. Hunter, Mgr., will have data prepared by George W. Fuller of Fuller & McClintock, 170 Broadway, New York, for installation of water works.

Va., Woodstock—City receives bids soon for eleven miles 8 or 10-in. pipe line to work under maximum pressure head approximately 500 ft.; American Industries Engineering Co., 140 Cedar St., New York City, Engineers; plans by Carolina Engineering Co., Charlotte, N. C., Associates.\*

W. Va., Parkersburg—City defeated \$300,000 water works bonds. Address The Mayor.

W. Va., Princeton—Princeton Water Co. let contracts to double capacity plant.

### Woodworking Plants

Ark., Little Rock—Capital City Casket Co., 604 E. Markham St., let contract to Jenkins & Apple, for 3-story, 75x160-ft. building, Garland Ave. and Pulaski St.; brick and concrete, gravel roof, metal window sash; estimated cost \$25,000.

Fla., West Palm Beach—J. J. Cater Furniture Co., capital \$50,000, incorporated; J. J. Cater, R. L. Cater.

La., Opelousas—Chamber of Commerce, reported, interested in establishment of cooperative plant.

N. C., Drexel—Drexel Furniture Co. let contract to McDevitt-Fleming Co., First Nat'l. Bank Bldg., Chattanooga, Tenn., for 2-story, 75x425-ft. factory building, brick and steel, mill construction, equipped with steel sash, wire ribbed glass; electrical equipment and steam heating installed by owners; equipment purchased includes full line of furniture and chair machinery, electricity driven.\*

Tenn., Chattanooga—Wood Furniture Co., capital \$10,000, incorporated; J. E. Tindell, O. F. Wood.

Tenn., Portland—Highland Rim Manufacturing Co., reported, will erect \$100,000 plant to manufacture crates, fruit hampers, bushel baskets, etc.

W. Va., Bluefield—Seyler Lumber Co., reported, purchased property in west end section, establish woodworking plant later.

### FIRE DAMAGE

Ala., Evergreen—Warehouse of Beaven & Jackson veneer plant, planing mill of L. D. King Lumber Co.; loss \$75,000 to \$125,000.

Ala., Huntsville—Sturdivant's store, Wallace's grocery store; loss \$10,000.

Ark., Prescott—Warehouse of Nevada County Warehouse Co. on W. Main St.; loss \$16,000.

Ark., Russellville—Portion of Arkansas Light & Power Co.'s plant.

Fla., Sebring—Building of Sebring White Way and Highland American plant; Rodrick Arkell, publisher.

Ga., Commerce—Kelly N. Sharp's residence; loss \$15,000.

Ga., Cornelia—Commercial Hotel; loss \$50,000; address the Proprietor.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Wilder, prop., and grocery store and apartments of H. H. Austin; both buildings owned by Mrs. W. P. Roberts; E. E. Lengnick department store; Claude M. Aman's office building; total loss \$75,000.

S. C., Marion—Lumber plant of Camp Manufacturing Co., L. H. Crawley's residence.

Tenn., Chattanooga—Ginsburg's department store, 502 Market St.; loss \$15,000.

Tenn., Hornsby—Postoffice, address the Postmaster; J. E. Mitchell & Co., store; K. E. Hornsby, store; loss \$40,000.

Tenn., Memphis—Anderson-Tully Lumber Co.'s plant; loss \$50,000.

Tex., Cedar Hill—Grounds Garage; loss \$20,000.

Tex., Cuero—Feed barn and warehouse of E. A. Tully; loss \$10,000.

Tex., Dallas—American Paint & Supply Co.'s building on Haskell Ave.

Tex., Houston—Administration Building of Houston College, on San Felipe Road; J. E. Knox, Pres.

Tex., Roanoke—Roanoke Roller Mill, loss \$12,500; W. T. Nichols of Bellevue, owner.

Va., Bedford—Bedford Ice & Coal Co.'s plant.

Va., Colonial Beach—Colonial Beach Packing Co.'s warehouse.

Va., Newport News—Seamen's Friend Society building.

Va., Staunton—J. H. Weaver's produce house; loss \$40,000.

## BUILDING NEWS

### BUILDINGS PROPOSED

#### Association and Fraternal

Fla., Melbourne—American Legion Post No. 81 will erect \$12,000 hollow tile club after plans by F. Earl DeLoe; 2 stories.

Ga., Albany—Evergreen Lodge No. 65, I. O. O. F., will erect \$30,000 brick and concrete lodge and store building; 65x105 ft., cement and rift pine floors, reinforced concrete foundation, built-up Barrett roof or equal, metal ceilings and doors, ornamental terra cotta, steel sash and trim, wire glass, plaster board; J. T. Murphy, Archt.; items to be purchased include brick, lime, lumber and cement, address R. S. Smith, Chmn., Building Assn., care R. E. L. Spence, Jr., Sec.\*

Ga., Jackson—United Daughters of Confederacy, Daughters of American Revolution and Woman's Club have been given 43x100-ft. site, W. Third St., on condition clubhouse will be erected.

La., Baton Rouge—Young Men's Christian Assn. considers finishing third floor of building.

Tenn., Chattanooga—Scottish Rite Masons, Wm. H. Meacham, Pres., 1515 Dean Ave., plan to purchase and remodel building for lodge quarters.

Tex., Waxahachie—Ancient Free and Accepted Masons will erect 3-story temple.

#### Bank and Office

Ala., Birmingham—Continental Gin Co. reported will erect brick office, Tenth Ave. and 33rd St.; 3 stories; Miller & Martin, Archts., Title Guarantee Bldg.

Ala., Huntsville—Huntsville Realty Corp. probably open bids within 3 weeks for 7-story office building, site of burned McGee Hotel; cost \$200,000, fireproof, stores on first floor; R. H. Hunt Co., Archt. James Bldg., Chattanooga, Tenn.; plans completed.\*

Ala., Opelika—L. F. Dickson will erect 6-story office building, elevators; department store on first floor.

Fla., Fort Myers—S. D. Martin drawing plans for 10-story building; probably call for bids in about 30 days.

Fla., Lake Worth—First Bank & Trust Co., Earl J. Reed, Vice-Pres. and Cashr., plans \$100,000 building, site present structure; 2 stories and rear mezzanine, 30x95 ft., marble fixtures, vault, burglar alarm system; H. M. Wade Manufacturing Co., Archt.-Contr., S. Graham Ext., Charlotte, N. C.

Fla., Melbourne—Leinbach-Humphrey Co. will erect \$50,000 office building, New Haven Ave.; 3 stories.

Fla., Miami—Shoreland Co., 125 E. Flagler St., Hugh M. Anderson, member, plans \$2,000,000 arcade building, First Ave., Flagler.

ler and First Sts.; present height 10 and 4 stories, eventually 20 and 15 stories.

Fla., Ocala—John L. Edwards will open bids about end of June for \$100,000 to \$125,000 fireproof Professional Bldg.; front faced with cast stone, 5 stories, 80x80 ft., reinforced concrete foundation, built-up roof, hollow and interior tile, metal doors, hardwood and concrete floors, mail chutes, ventilators, steel sash and trim; Geo. MacKay, Archt.\*

Fla., Sarasota—Chamber of Commerce will erect \$10,000 stucco building, Sixth St.; M. L. Wread, Archt.

Fla., South Jacksonville (Ind. Branch Jacksonville)—J. F. White, Sr., 415 Davis St., & Brown and Weeks, both Jacksonville, will erect building, St. Johns Ave. and Flagler St. for branch bank of hotel.

Fla., Tampa—John A. Crenshaw, 311 Seventh Ave., will erect office building.

Fla., West Palm Beach—Jacob Fein purchased and will remodel building, Poinciana Ave., occupied by Chamber of Commerce; considers erecting 10-story building upon expiration of C. of C. lease in 1927.

La., Baton Rouge—Lytle Hull, Palm Beach, will erect \$20,000 office building, Camino Real and King's Highway; 50x100 ft., 2 stories.

Md., Baltimore—Baltimore Commercial Bank, Gwynn Crowther, Pres., receives bids June 9 for remodeling former National Bank of Commerce building, 26 South St., for main banking quarters; Parker, Thomas & Rice, Archts., Union Trust Bldg.\*

Miss., Gulfport—Victor J. Passera and I. B. Rennison, 347 Carondelet St., both New Orleans, La., will erect \$50,000 office building, 25th Ave. and 30th St.; 3 stories, stores on first floor, 15,000 sq. ft. office space above.

N. C., Ahoskie—Bank of Ahoskie receives bids June 17 for 2-story limestone finish or face brick bank building; cost \$35,000; separate bids for lighting, heating and plumbing; cost \$40,000, 2 stories, 70x30 ft., tile and rubber composition floors; Benton & Benton, Archts., Fidelity Bldg., Wilson; plans from owner.\*

S. C., Charleston—C. Deas Gadsen and others purchased Banov & Volaski Bldg., King and Calhoun Sts.; will remodel for 5 stores on first floor and offices above.

S. C., Columbia—Medical Building Co., 1512 Marion St., about ready for bids on medical arcade, 1400 block Hampton St., Lafaye & Lafaye, Archts., 1224 Sumter St.

Tenn., Erwin—First State Bank will erect Tennessee marble or Illinois limestone building; cost \$50,000, including vaults; C. B. Kearnott, Archt., Bristol, Va.-Tenn.; probably call for bids within 60 days.

Tenn., Humboldt—Merchants State Bank purchased adjoining building and will remodel for additional banking quarters.

Tenn., Nashville—Nashville Life Insurance Co. will erect \$21,000 addition to stone building, Seventh Ave. and Union St.

Tex., Dallas—Dallas Cotton Exchange, N. W. Nolley, Sec., advises Lang & Witchell and Thompson & Swain are architects for \$1,500,000 Cotton Exchange Bldg.; 14 stories, 100x200 ft., reinforced concrete.\*

Tex., Houston—Petroleum Building Co., T. P. Lee, Pres., Second National Bank Building, reported to erect 16 or 20-story building, Texas Ave. and Austin St.; cost about \$1,000,000; Alfred C. Bossom, Archt., 680 Fifth Ave., New York; incorporation papers filed.

Tex., Shamrock—First National Bank, Walter Pendleton, Clk., will erect 2-story addition; 25x60 ft., brick, stone and mill construction; E. H. Eads, Archt.-Constr. Supervisor, Chickasha; day labor.

### Churches

Fla., Bradenton—Westminster Presbyterian Church, Rev. Duncan Thomas, Pastor, having plans drawn by A. C. Price for \$60,000 Spanish type building, Central Ave. and Sycamore St.\*

Fla., Daytona—First Baptist Church, N. Palmetto Ave., reported to install \$6000 to \$10,000 pipe organ. Address The Pastor.

Fla., Daytona—First Christian Church purchased site, N. Ridgewood Ave. Address The Pastor.

Fla., Daytona—Methodist Episcopal Church, South, N. Ridgewood Ave., contemplates building. Address The Pastor.

Fla., Daytona—St. Paul's Catholic Church plans \$200,000 building, N. Ridgewood Ave. Address The Pastor.

Fla., Lakewood—Advent Church, Rev. C. P. Thornton, Pastor, will erect building, Thornton Ave. and Sixth St., Lakewood Estates; brick and frame, plaster walls; seat 1000; parsonage.

Fla., Miami—Alliance Tabernacle, 336 N. W. Second St., Rev. H. E. Berg, Pastor, plans tabernacle.

Fla., Miami—Holy Cross Episcopal Church, Rev. Chas. R. Palmer, Rector, plans building, N. E. First Ave. and N. W. 42nd St.; install 1 unit of M. P. Moller, Inc. (Hagerstown, Md.) pipe organ in present structure; move and add additional organ units to new building upon completion.

Fla., New Smyrna—Baptist Church considers erecting building. Address The Pastor.

Fla., Tampa—Rodolph Sholom Congregation, M. G. Rosenberg, Chmn., Bldg. Comm., selected Fred James, Citizens Bank Bldg., as architect for \$50,000 synagogue, Palm Ave. near Jefferson St.; main auditorium seat about 600, choir loft, 1-story and basement Sunday school.\*

Fla., Tampa—First Methodist Church plans \$500,000 building, Tyler and Florida Sts.; Sunday School and parsonage to be erected first, cost \$200,000; R. H. Wester, Gen. Supt., Sunday School, 312-16 Stoball Bldg.; plans not drawn.

La., Bunkie—Catholic Church will erect brick and tile building; tile roof, hardwood floors; Wm. R. Burk, Archt., Balter Bldg.; call for bids in about 30 days.

Miss., Starkville—Methodist Church, Rev. V. C. Curtis, Pastor, selected Jas. E. Greene, Empire Bldg., Birmingham, Ala., as architect for \$75,000 building.\*

Mo., Cape Girardeau—Presbyterian Church considers erecting building. Address The Pastor.

Mo., Hayti—First Methodist Church plans building; raising funds; Uzell Branson, Archt., Farmers Bank Bldg., Blytheville, Ark.; foundation completed.\*

Mo., Joplin—First Baptist Church, Rev. R. C. Miller, pastor, purchased adjoining site, Pearl Ave. and Seventh St., for \$100,000 building; tentative plans call for 92x127-ft. structure with flat roof.\*

Mo., Paris—Methodist Church will erect \$15,000 building. Address The Pastor.

Mo., Sedalia—First Methodist Church will remodel building; cost \$35,000.

Mo., St. Joseph—King Hill Baptist Church will erect \$75,000 building; basement walls completed; 3 and 4 stories, 118x72 ft.; auditorium and balcony seat 800. Address The Pastor.

N. C., Hickory—First Security Trust Co. Trustee, receives bids June 6 for Mullis Grove Baptist Church, Catawba County; plans and specifications from Q. E. Herman, Archt.

N. C., Winston-Salem—Salem Baptist Church, Rev. H. W. Bauman, Pastor, approved plans by Faw & Humphreys for \$25,000 Sunday-school addition; brick veneer, 3 stories, 80x36 ft., wood floors, concrete and brick foundation, asbestos roof, rolling partitions, wire glass; probably start work within few weeks.\*

Okla., Bartlesville—First M. E. Church, Rev. O. B. Morris, Pastor, will erect \$50,000 Sunday school: \$90,000 main auditorium later; J. H. Felt & Co., Archts., 800 Grand Avenue Temple, Kansas City, Mo.

Okla., Holdenville—First Christian Church, Elden Hassett, Chmn. Bldg. Comm., having plans drawn by Monnot & Reid, Empire Bldg., Oklahoma City, for \$40,000 brick and stone building; 2 stories and basement; 45x84 ft.\*

Okla., Sapulpa—First Presbyterian Church, Rev. Frank Mitchell, Pastor, will erect \$60,000 brick and stone superstructure; 2 stories; Clyde H. Woodruff, Archt., 400 Reynolds Bldg., Fort Worth, Tex.; bids opened.

S. C., Camden—Trinity A. M. E. Church about ready for bids on building; J. H. Sams, Archt., Columbia.

S. C., Bennettsville—Methodist Episcopal Church Bldg. Comm., Jas. O. Breedon, Chmn., receives bids June 11 for brick and frame Sunday School adjoining and connected to church; plans and specifications from H. D. Harrell, Archt., and seen at Builders Exchange, Columbia, S. C., and Charlotte, N. C.

Tex., Hallettsville—Catholic Church will erect building. Address The Pastor.

Tex., Waxahachie—First Methodist Church, Geo. Coleman, Pres., Propaganda Comm., Sunday School Council, plans new Sunday School.

Tex., West—Church of Christ will erect brick veneer building; 1 story and balcony, 40x60 ft., auditorium seat 400, cost \$10,000, exclusive of furnishings. Address The Pastor.

Va., Lynchburg—Fairview Christian Church will erect building. Address The Pastor.

W. Va., Martinsburg—First Baptist Church, W. King St., selected Herbert L. Cain, Grace Street Bank & Trust Co. Bldg., Richmond, Va., as architect for Sunday School building.\*

### City and County

Ala., Birmingham—Cly. J. W. Donnelly, Pres., Library Board, approved plans for \$550,000 public library; equipment, \$100,000; work to start about July 15; Miller & Martin, Archts., Title Guarantee Bldg.; Eric Gugler, Consrt. Archt., 101 Park Ave., New York; Olmstead Bros., Landscape Archts., Brookline, Mass.\*

Fla., Fort Lauderdale—Broward County voted \$500,000 courthouse bonds; concrete and tile, 5 stories, 80x100 ft.; Jas. M. Peterman, Archt.\*

Fla., St. Petersburg—City, R. S. Pearce, Mayor-Commr., will remodel city hall; plans by Director of Public Works.

Ga., Macon—Bibb County Commission, J. R. Brooke, Clk., has low bid at \$187,588 from Southern Steel Co., 4500 Blk. S. Presa St., San Antonio, Tex., for equipment for jail to be established on fourth floor of courthouse; other low bids as follows: Heating, O'Pry Heating & Plumbing Co., 163 Cotton Ave., \$9989; plumbing, \$39,934; electric equipment, Morris Putzel, 519 Cherry St., \$5238; general work, R. H. Smalling's Sons, \$32,992.\*

La., Shreveport—City Council plans fire station, Edgar and Velva Sts.

Md., Baltimore—Board of Awards, Mayor Howard W. Jackson, Pres., probably let contract at \$39,000 to Heat & Power Corp., 424 E. Saratoga St., for installing new heating pipes and radiators in City Hall.

Md., Cumberland—Allegany County Board of Comms., Thos. P. Richards, Clk., Courthouse, receive bids June 9 for decorating old and new sections of courthouse; plans and specifications from office County Comms.

Mo., Independence—City rejected bids for \$100,000 memorial building, Maple Ave. and Pleasant St.; revise plans and call for new bids; Alonso H. Gentry, Archt.\*

N. C., Greensboro—City Council, P. C. Painter, City Mgr., receives bids June 16 for equipping new municipal building with office furniture, steel vault, equipment, window shades and opera chairs; plans and specifications for steel vault equipment from Harry Barton, Archt., Jefferson Standard Bldg.; office furniture and opera chair specifications from office City Purchasing Agt., City Hall.

N. C., Jefferson—Ashe County will erect jail. Address Board of County Comms.

Okla., Oklahoma City—City, Joe Patterson, Commr. of Public Property, plans fireproof zoo building; stone purchased.

Okla., El Reno—City, A. Jack Kivett, Commr. of Public Affairs, has preliminary plans under way by Layton, Hicks & Forsythe, Brannock Bldg., Oklahoma City, for municipal auditorium; probable voted on \$50,000 bonds.

Tex., Big Lake—Reagan County voted to change county seat from Stiles to Big Lake; probably call election on \$50,000 courthouse and jail bonds.

Tex., El Paso—El Paso County will remodel Liberty Hall; cost \$60,000; enlarge stage; tentative plans by W. E. Robertson, Engr., 1012 Montana St.

Tex., Lockhart—City will erect \$60,000 municipal auditorium; 1 story, 108x76 ft., concrete and rock; Ellis Albaugh, Archt., care Albaugh-Wright Lumber Co., 941 Austin St., San Antonio.

Tex., Port Arthur—City, Clyde LaRose, Fire Chief, will erect 2 fire stations.

Tex., San Antonio—City, John W. Tobin, Mayor, plans to install \$40,000 pipe organ in municipal auditorium nearing completion; equipment includes stage scenery, etc.

Va.-Tenn., Bristol—Bristol, Tenn., L. H. Gammon, Mayor, receiving sketches from local architects for fire station, Fourth St.; plans to install electric fire-alarm boxes in business section; \$50,000 bonds voted.\*

W. Va., Huntington—City, Floyd S. Chapman, Mayor, voted \$40,000 bonds for 2 fire stations.\*

W. Va., Winfield—Putnam County will repair courthouse and erect jail. Address Judge of County Court.

### Dwellings

Fla., Babson Park—Inter-Lake Estates, H. W. Bennett, Pres., Babson Park or 35 Wall St., New York, plan 6 Spanish type dwellings in connection with development; H. deV. Pratt, Archt., 46 Bromfield St., Boston, Mass.

Fla., Fort Myers—Mrs. C. A. Stadler will erect \$15,000 residence, York Manor; Italian type, 2 stories, 10 rooms, 2 baths, hollow tile and stucco.

Fla., Miami—J. W. Whitley, Asst. Sales Mgr., Coral Gables Corp., will erect \$20,000 residence, Douglas Section, Coral Gables.

Fla., Miami—Geo. E. Boren, care Tatum Brothers Co., 200 E. Flagler St., will erect \$220,000 residence, N. W. Eligh Terrace near 15th Ave., Grove Park; English type, 2 stories, 7 rooms, hollow tile and stucco, hardwood floors, solar water heating; garage with servants' quarters; Henry La Pointe, Archt., Burdine Bldg.

Fla., Miami—Distinctive Homes Co., Clarena Hotel, will erect five \$20,000 to \$25,000 dwellings, Douglas section, Coral Gables; all 2 stories.

Fla., Miami—F. A. Armstrong, 326 S. W. Eighteenth Court, will erect \$25,000 residence, Granada Blvd. and Avenue Sorolla, Coral Gables; concrete block and stucco; 2 stories; Hampton & Ehrmann, Archts., Congress Bldg.

Fla., Miami—Col. Robt. A. Gordon, Pres., American Furnishing Co., 77 N. Ryor St., Atlanta, Ga., and Miami, and John S. McClellan will erect number Spanish type dwellings, Coral Gables.

Fla., Miami Beach—Earl Kiser will erect \$14,000 residence and garage, block 11, Beach View; 8 rooms.

Fla., Miami Beach—Miami Beach Bay Shore Co., 41st & N. Alton Rd., will erect six \$13,000 dwellings, La Gorce sub-division.

Fla., Ocala—Ed. Carmichael will erect residence, Silver Springs.

Fla., Ocala—Jas. Engesser will erect residence, Silver Springs.

Fla., Perry—Ellis Bartholomew plans several cottages, Bonita Beach.

Fla., Perry—Conner Price Manufacturing Co. will erect 5 dwellings, Brooklyn.

Fla., Sebring—Mrs. J. H. Lopp plans residence, Lakeview Place.

Fla., St. Petersburg—J. T. Haskell will erect \$12,000 residence and garage, First Ave., South, near 60th St.; 2 stories, 8 rooms, hollow tile.

Fla., Tampa—Rock Jackson will erect \$15,000 residence, Beach Park; Spanish type, 2 stories, 7 rooms, patio; Franklin O. Adams, Jr., Archt., Grand Theater Bldg.

Fla., West Palm Beach—J. R. Anthony will erect \$13,000 residence and garage.

Fla., West Palm Beach—O. P. Gruner will erect \$40,000 residence and garage, Washing-

if the Manufacturers Record is mentioned.

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## CONSTRUCTION DEPARTMENT

ton Rd. and Roosevelt St.; tile veneer, 51x80 ft. and 20x29 ft.

Fla., West Palm Beach—Edw. U. Roddy will erect 8 dwellings, Sunshine Park; total cost \$17,000.

Ky., Louisville—H. S. Zimmerman will erect \$10,000 residence, 2316-18 Glenmary Av.

La., New Orleans—E. T. Malloy, 1211 Hagan St., will erect \$20,000 duplex, Zimple St.; tile and stucco, 2 stories, tile roof and baths; Wm. E. Spink, Archt., Canal-Commercial Bldg.; call for bids in about 2 weeks.

Md., Baltimore—Wm. Engle and Philip Stelmack probably erect 2 or 3 cottages, Forest and Beulah Aves., Forest Park.

Md., Baltimore—L. H. Fowler, Archt., 437 N. Charles St., will erect residence, N. W. cor. Canterbury Rd. and Forrest Lane.

Md., Baltimore—Benjamin Freedman will erect \$10,000 residence, Callaway and Belle Aves.; frame, 2½ stories.

Md., Baltimore—L. E. Holt, Jr., 3956 Clarendale Rd., purchased site, Merrymount Rd.; probably erect residence.

Md., Baltimore—Philip S. Morgan, 514 St. Paul Place, will erect 7 brick dwellings, S. E. cor. Collins Ave. and Old Frederick Rd.; two stories, 14x32 ft., total cost about \$30,000.

Md., Baltimore—Edw. L. Palmer, Jr., Archt., 513 N. Charles St., will erect residence and 2-car garage, E. side Underwood Rd. near Highland St.

Md., Baltimore—MacGill James will erect \$15,000 residence and garage, S. side Cold Spring Lane near Charles Street Ave.; 2 stories, brick.

Md., Baltimore—Jasper D. Ogden, Equitable Bldg., will erect 3 frame dwellings and garages, S. and W. sides Inner Circle near Tompkins Ave.; 2 stories; total cost about \$14,000.

Md., Baltimore—Saml. D'Angelo will erect \$11,000 brick residence, 2216 Harford Rd.; 2 stories.

Md., Baltimore—M. J. Cremens plans 3 clapboard dwellings and garages, N. E. side Magnolia Ave. near Rogers Ave.; 1½ stories; total cost about \$16,000.

Md., Baltimore—A. S. Eisenbrandt, 417 N. Howard St., Clarence B. Lane and Howard W. Coleman will erect 3 cottages, N. side Crest Rd. near Cross Country Blvd.; 2 stories; frame; total cost about \$15,000.

Md., Baltimore—Guilford Construction Co. will erect 2½-story brick dwelling, Park Heights Ave. N. of Rogers Ave.

Md., Baltimore—Chas. W. Maydwell, Tuscan Apts., will erect \$15,000 residence, W. side Wendorf Rd. near Marlowe Rd.; clapboard, 42x26 ft., 2½ stories.

Md., Baltimore—Leggett & Leggett, 3510 Harford Ave., will erect 7 brick dwellings, S. W. cor. Maple and Glenoak Aves.; 2 stories; total cost about \$30,000.

Md., Baltimore—Moore Realty Co., 2 E. Lexington St., will erect 2 frame dwellings, W. side Newlands Ave. near Southway; total cost about \$20,000.

Md., Baltimore—J. E. Moxley, Jr., 20 E. Lexington St., will erect about 30 dwellings, Cold Spring Lane near Roland Ave.; 2½ stories; 6 to 8 rooms and bath; group of 8 started at once.

Md., Baltimore—Harry F. Page, 304 Illchester St., will erect 2 cottages, Orkney Rd. Govans.

Md., Baltimore—Progressive Building Co., 4601 Harford Rd., will erect 15 brick dwellings, 2801-29 W. Mulberry St.; 2 stories; total cost about \$54,000.

Md., Baltimore—Southland Company, 125 E. Baltimore St., will erect 2 frame cottages, E. side Widener Ave. N. of Hollen Rd.; 2 stories; total cost \$10,000.

Md., Baltimore—Standard Realty Co. probably will erect number of dwellings, 36-acre tract, below Kate Ave. near Ashburton, West Arlington.

Md., Baltimore—Dominic Tamburo, 2032 Edmondson Ave., will erect 2 brick dwellings, N. E. cor. Liberty Heights and Packard Aves.; 2 stories; total cost about \$18,000.

Md., Catonsville (Branch Baltimore)—Geo. R. Tyrrell, 1810 W. Lexington St., will erect residence, W. side Forrest Drive near Rolling Rd., Summit Park.

Mo., Clayton (Ind. Branch St. Louis)—E. C. Klipstein, 6244 Washington St., will erect \$15,000 stone residence, Brentmoor; 28x66 ft.

N. C., Carthage—J. P. Bingham will erect residence, Benner Heights.

N. C., Carthage—C. A. Muse will erect residence, Benner Heights.

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## Manufacturers Record

N. C., Kinston—Queen Street Methodist Church, Rev. Creasy K. Proctor, Pastor, plans parsonage; also addition to church previously noted.

N. C., Winston-Salem—Home Builders Co., Wachovia Bank Bldg., will erect 6-room dwelling, Miller St.; also 7-room dwelling, Madison Ave.; total cost \$12,500.

Mo., Clayton (Ind. Branch St. Louis)—Eighty Hundred Realty Co., 11th and Locust Sts., St. Louis, will erect dwelling, block 5 Davis Place; brick and stucco, 60x65 ft.; also 49x30-ft. dwelling, block 16 and 50x26-ft. dwelling, block 20; total cost \$40,000.

Mo., St. Louis—Harry Vollmar will erect 30 dwellings and single flats, Sulphur Ave. near Columbia St.

Mo., St. Louis—Ben Johnson Construction Co., 4015A Palm St., will erect 3 brick cottages, Genevieve Ave., Richmond Heights; brick, 1 story, 27x43 ft.; total cost \$19,500; owner builds.

Ola., Tonkawa—J. Morgan Rush will erect \$12,000 Swiss chalet; brick veneer, 1 story, 42x54 ft., asphalt shingle roof, oak floors, furnace heating, pine trim; Ellis Charles & Co., Archts., Wichita, Kan.

Tenn., Nashville—E. F. Glasgow will erect \$12,000 residence, 2902 Belmont St.

Tenn., Newport—W. C. Cureton will erect \$10,000 residence; brick, veneer and hollow tile, 8 rooms, hot water heating; laundry in basement; M. E. Parmelee & Sons, Archts., 606 S. Gay St., Knoxville; plans completed.

Tenn., Trenton—Mrs. L. F. McWhirter purchased 2-story Colonial residence, College St., and will remodel.

Tenn., Rutledge—J. G. Waller will erect brick veneer dwelling to replace burned structure.

Tex., Dallas—Butler Realty Co., S. N. Life Bldg., and E. C. Martin will erect \$22,000 residence, 3830 Turtle Creek Blvd.; 8 rooms, hollow tile.

Tex., Dallas—W. M. Looney will erect \$15,000 residence, 6657 Avalon St.; 10 rooms, brick veneer.

Tex., Dallas—M. E. Seay will erect \$12,000 brick veneer residence, 6414 Winsor St.; 6 rooms, hollow tile.

Tex., Dallas—Jack W. Tucker, 4814 Swiss St., will erect \$13,500 brick veneer cottage, 3722 Cragmont St.; 7 rooms.

Tex., Sherman—J. F. Morgan will erect Home Beautiful in connection with development; erect additional dwellings later.

Va., Upperville—J. D. Lewis will construct residence, foreman's dwelling, gardener's house, stable, breeding mares' barn, water supply system, roadwork and fencing for country estate; plans and specifications by Geo. E. Herck, Engr., Moore Bldg., Charleston, W. Va. (See Machinery Wanted—Stable Equipment; Water Supply Machinery; Sewerage Disposal Plants; Miscellaneous Supplies.)

## Government and State

Ala., Mobile—Treasury Department, Jas. A. Wetmore, Act. Supervising Archt., Washington, D. C., reported to remodel first floor of Custom House, Royal and St. Francis Sts.; cost \$20,000; probably call for bids in few days.

Ark., Fayetteville—Rotary Club, Julian Simmons, member, interested in \$30,000 armory.

W. Va., Jackson Mills (P. O. Weston)—Kanawha County plans cottage at State 4-H Camp for Boys and Girls. Address County Comr., Charleston.

## Hospitals, Sanitariums, Etc.

Ark., Jonesboro—Dr. H. A. Stroud, P. W. Lutterloh and others will erect \$60,000 to

\$75,000 Jonesboro Clinic, Main St. near Court Square; brick, 2 stories, 55x90 ft., 40 rooms; laboratory, X-ray, microscopic, office rooms, etc.; E. L. Harrison, Archt., Fidelity Bank Bldg., Memphis, Tenn.; probably ready for bids within few days.

D. C., Washington—Constructing Quartermaster, Room 2236 Munition Bldg., receives bids June 15 for addition to Medical Storehouse, Walter Reed General Hospital; information upon application.

Fla., Bartow—Polk County Board of Commissioners, J. D. Rawlerson, Clk., Courthouse, receives bids June 8 for hollow tile and stucco hospital near Bartow; cost \$50,000; 2 stories and basement, 98x44 ft., concrete and pine floors, concrete foundation, Barber asphalt roof, interior tile, ornamental terra cotta, 1 Otis passenger elevator; plans and specifications from Clk. or from Poteet & Whitworth, Archts., Bryant Bldg.\*

Fla., Alto—State Board of Health, Joe P.

Bowdoin, M. D., Deputy Commr., authorized Daniell & Beaufell, Archts., 307-09 Healey Bldg., both Atlanta, to advertise for bids, to be opened July 1, on \$500,000 fireproof tuberculosis sanatorium; concrete, 3 stories, concrete, hardwood and wood block floors, concrete foundation, tar and gravel and tile roof, hollow and interior tile, metal doors, vaults, ventilators, ornamental terra cotta, steel sash and trim, wire glass.\*

N. C., Lumberton—Thompson Memorial Hospital rejected bids for 30-bed fireproof building; revise plans and call new bids; Wilson, Berryman & Kennedy, Archts., Raleigh and Charlotte, N. C., and Columbia, S. C.

Tenn., Memphis—St. Joseph's Hospital will alter and erect 5-story addition to hospital; about 100 rooms; cost \$400,000; D. X. Murphy & Bro., Archts., Louisville Trust Bldg., Louisville, Ky.

Tex., Kingsville—Kleburg County defeated (lately noted voted) \$35,000 county hospital addition bonds.\*

Tex., San Antonio—Dr. C. M. Cotham, Kelwood Co. for \$26,000 general clinic, Seventh and N. Alamo Sts.; Spanish type, hollow tile and stucco, 2 stories; laboratories, emergency wards, operating rooms and 7 office suites; plans by contr.\*

## Hotels and Apartments

Ala., Florence—Hayes Hooks sold half interest in Hooks House to J. H. Reid, will remodel.

Fla., Haines City—Development Corp. of Florida, care Paul Stanton, has completed plans by Wallick & Rich, Indianapolis, Ind., soon take bids for \$500,000, 77-room, 9-story Hotel Polk.\*

Fla., Jacksonville—Edward A. Muth, Buffalo, N. Y., purchased property, 43-45 W. Ashley St.; erect 10-story apartment house.

Fla., Melbourne—Ernest Kouen-Hovenwill replace residence, Magnolia Park, with \$500,000, 100-room hotel.

Fla., Melbourne—Mrs. Will Irwin erect 4-family apartment house on Bluff Walk.

Fla., Ormond—Chamber of Commerce promoting erection of \$500,000 tourist and commercial hotel.

Fla., Sanford—F. W. Cox, 54 N. E. 5th St., Miami, erect apartment house, Second St. and Elm Ave.

Fla., Sarasota—B. F. McCall erect \$17,000, 2-story, hollow tile and stucco, 4-apartment building, Eighth Ave. near Broadway.

Fla., Sarasota—L. B. Holt, Pres. First Natl. Bank, Sandersville, Ga., purchased property, Sarasota Beach; erect apartment house.

Fla., St. Petersburg—E. C. McBride has plans by Warren G. Powell, Tampa, soon let contract for 11-story, 200-room hotel on Capuc St. facing First and Handley Aves., North; store rooms and lobby on first floor.

Fla., St. Petersburg—F. F. Pulver announced plans for replacing Detroit Hotel this summer, with \$2,000,000 structure.

Fla., Tampa—Palma Ceia Hotel Corp. received bids this week for \$150,000, 4-story apartment hotel, at office R. B. Gambier, Archt., Tribune Bldg.

Fla., Tampa—Tampa Commercial Hotel Co., W. E. Dorchester, Pres., Citizens Bank Bldg.; E. B. Pancake, Vice-Pres.; A. J. Simms, Sec. and Gen. Mgr., incorporated for erection of 14-story, 351-room Tampa Commercial Hotel, Florida Ave. and Cass St., reported to cost \$1,000,000; work to start end of August.\*

Fla., Tampa—Col. W. F. Stovall, Bayshore Blvd., and associates purchased Hyde Park Hotel, Lafayette St. and Hyde Park Ave., plan extensive remodeling, probably erect additions.

Fla., Vero—Braswell Realty Co. accepted proposition by C. B. Gleckler, Punxsutawney, Pa., for \$1,000,000 unit of hotel, to be erected on ocean front of Vero Beach Estates; contain 300 sleeping rooms, each with separate bath, 50 apartments, 20 business shops, theater with seating capacity of 3000.

Ga., Augusta—Bon Air-Vanderbilt Corp., care John McEntee Bowman, Madison Ave. and 43rd St., New York, purchased Bon Air-Vanderbilt Hotel, Lafayette St. and Hyde Park Ave., plan extensive remodeling, probably erect additions.

Ga., Fort Gaines—M. E. Peterson, Panama City, Fla., purchased Hotel Raymur; improve, install new equipment.

Ga., Macon—Chamber of Commerce form-

ing corporation for erecting 200-room hotel.\*

Ky., Franklin—Hockenbury System, Inc., Harrisburg, Pa., conducting campaign for funds to erect hotel; \$45,000 now available.

Ky., Louisville—Phil Weinberg & Son erect \$60,000, 3-story, 12-apartment building, Shawnee Terrace and Market St.

Md., Baltimore—J. I. Goldstein, Pres. of Greenway Apartment Co., Calvert Bldg., purchased block on Park Heights Ave. between Shelburne and Charlesworth roads, reported to erect \$500,000 apartment house.

Md., Baltimore—Dr. J. Knox Insley, 2938 E. Baltimore St., acquired property, 2936 E. Baltimore St., reported to convert into apartments.

Md., Cumberland—Walter P. Gross erect apartment and garage, 116 Euclid St.

Mo., Jefferson City—Central Hotel Co. plans to erect 100-room addition to Central Hotel; Stevens Hotel Building Co., Chicago, working on plans.

Mo., Kansas City—W. B. Weaver erect group of 2-story, 8-apartment buildings, Maple Blvd.; Mrs. N. E. Peters, Archt.

Okla., Oklahoma City—A. F. Stewart, 1st Natl. Bank Bldg., will erect \$20,000 apartment building, 2242-46 W. 16th St.

Tex., Greenville—W. R. Ragsdale, Archt., completed plans for 40-room addition and remodeling front of Commercial Hotel, Lee and Wright Sts.; receive bids this week.

Tex., Dallas—Mike H. Thomas, Jr., Thomas Bldg., has plans in progress by Anton F. Korn, Thomas Bldg., for \$20,000, 2-story, brick, 4-apartment building, Worth St. near College.

Tex., Dallas—O. O. Akers erect \$14,000, 16-room, brick veneer, 4-apartment building, 4018-20 Hawthorne St.

Tex., Dallas—C. L. Gilmore erect \$12,000, 16-room, brick veneer, 4-apartment building, 227-9 Wyclif St.

Tex., Dallas—A. S. McCarty erect \$10,000, 16-room, brick veneer, 4-apartment building, 1717-19 Hall St.

Va., Lexington—Edwin P. Conquest has option for purchase of Lexington Hotel; reported to replace with 100-room hotel to cost from \$250,000 to \$300,000.

Va., Radford—Bonham Hotel, care A. S. Johnson, install new equipment.

Va., Richmond—R. V. Dorsey, 528 N. Adams St., reported plans to erect 40-family apartment house.

### Miscellaneous

Fla., Melbourne—Clubhouse—Melbourne Golf & Country Club selected Donald J. Ross, Southern Pines, N. C., prepare plans for clubhouse and 18-hole golf course.

La., Baton Rouge—Clubhouse—Westdale Country Club opens bids June 6, let contract June 15 for \$40,000, 1 and 2-story, tile and stucco, Mediterranean style, 60x150 ft. clubhouse; tile roof, hardwood, concrete and tile floors, brick foundation, ornamental terra cotta; open bids for equipment and furnishings to cost \$8000, on June 30; include lockers, furniture, kitchen equipment, golf supplies; Jones, Roessle & Olschner, Archts., Maison Blanche Bldg., New Orleans.\*

La., Shreveport—Home—Abirterping, branch of Young Men's Educational League, Max Goldberg, Chmn., plans to erect \$25,000 building.

Miss., Vicksburg—Ike Brown, Memphis, Tenn., forming Eagle Lake Stock Co., for conducting camp on Willis property; include erection of dining room, kitchen, clubhouse, etc.

Mo., Jefferson City—James A. Houchin has plans for community fraternity house on Monroe St.; gymnasium 47x63 ft., swimming pool 30x63 ft. in basement; mezzanine, dining room and dance floor on first floor.

Mo., Kansas City—Dance Hall—Plaza Royal Amusement Co., composed of Eddie Kuhn, L. J. Smyth and Harry Goldberg, erect \$400,000 ball room, 23rd St. and McGee Road.

Mo., Kansas City—Frederick G. Bonfils, Denver, start work July 1, on \$300,000, 2 or 3-story building, S. W. cor. 12th St. and Grand Ave.; eventually be 12 stories.

S. C., Charleston—Clubhouse—Yeamans Hall Club, care E. W. Durant, plans in progress for clubhouse in connection with development.

S. C., Chester—Chamber of Commerce promoting erection of country club, swimming pool and golf course; Chester Gun Club will occupy building.

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Tenn., Memphis—Hardwig Peres, 1442 Carr St., is Chmn. of Executive Committee, considering erection of Jewish community center.

Tex., Fort Worth—Clubhouse—Fort Worth Women's Club selected Sanguinet, Staats & Hedrick, First Natl. Bank Bldg., prepare preliminary plans for building.

Tex., Houston—Clubhouse—Golf Crest Country Club selected John McLellan, Archt., Woolworth Bldg., to prepare plans for \$50,000, Spanish type clubhouse.

Tex., Littlefield—Undertaking Establishment—Shaw-Earnest Co. erect brick building.

Fla., San Antonio—W. E. Currie, 20 McGray Bldg., Detroit, Mich., purchased property, reported to plan development including hotel clubhouse and golf course.

Va., Martinsville—Dokkie Club plans to erect clubhouse on Smith River.

W. Va., Huntington—Clubhouse—Spring Valley Country Club Board of Directors plans to build wing to clubhouse, enlarge dining room, etc.

### Railway Stations, Sheds, Etc.

Ky., Murray—Nashville, Chattanooga & St. Louis Ry. Co., Hunter McDonald, Ch. Engr., Nashville, Tenn., reported considering erecting new depot.

N. C., Asheville—Southern Railway Co., Henry W. Miller, Vice-Pres., Washington, D. C., erect platform and shed in Biltmore section.

### Schools

Ala., Sulligent—City voted \$25,000 for 4-room and auditorium addition to High School building; address Board of Education.\*

Ark., Campbell—School Board, W. G. Suttermfield, Pres., completed plans for 2-story school building.

Ark., Creigh—Board of Directors Consolidated School District accepted plans for consolidated school building.

Ark., Osceola—Osceola Special School District No. 1 voted \$10,000 bonds for negro school building; J. W. Quinn, member Board of School Directors.

Ark., Pyatt—Pyatt School District voted bonds for erecting stone school building; address Board of Trustees.

Fla., Delray—Samuel Ogren, Archt. preparing plans for \$65,000 hollow tile and stucco High School building; \$80,000 bonds recently voted; address Board of Education.\*

Fla., Jacksonville—City voted \$15,000 bonds; \$25,000 available for new High School; address Board of Education.

Fla., Jupiter—Palm Beach County Board of Public Instruction, West Palm Beach, call election June 30 on \$100,000 bonds for new High School.\*

Fla., Lake Wales—Lake Wales School District voted \$160,000 bonds for new High School building; address Polk County Board of Public Instruction, Bartow.\*

Fla., Live Oak—Suwannee County Board of Public Instruction let contract to H. Brorson for \$12,300 Wellborne school building; 6 classrooms and auditorium; architectural supervision by S. J. Welch, Pensacola.

Fla., Melbourne—Stanley S. Lichty, Melbourne District School Commissioner, announced work to start in July on \$100,000 High School building.

Fla., Tampa—Hillsborough County Board of Public Instruction, W. D. F. Snipes, Sec., receiving bids for Jackson Heights school building; \$40,000 to \$50,000, 47-98 ft. auditorium to seat 400, dressing rooms, 4 classrooms each 22x32 ft.; exterior of stucco with east stone trimmings. Spanish tile roof; Leslie N. Iredell, Archt., Campbell Bldg.

Fla., Tampa—C. Frank Galliher, Archt., 105 1/2 Zack St., preparing plans for West Dothan Grammar School, cost with equipment \$80,000, also for remodeling and additions to Dothan High School and Rose Hill Grammar School, cost with equipment \$35,000; plans ready for bids about June 15.\*

Fla., Tampa—C. Frank Galliher, Archt., 105 1/2 Zack St., prepared plans for storm sewer system, sanitary sewer system, including septic tank, filter beds, pump house, water pressure system, pumps an electric machinery for Ballast Point School building, for Hillsborough County Board of Public Instruction; bids open June 4.\*

Fla., Whitehouse—Duvall County Board of Public Instruction call election June 23 in Special School Tax District No. 6, comprising Marietta, Pasadena and Whitehouse sections, for erecting 2 school buildings.

Ga., Atlanta—Agnes Scott College Board of Trustees plans campaign for funds for installing new heating and power plant and erecting chapel and administration building as memorial to late Dr. F. H. Gaines; voted \$10,000 for completion of gymnasium.

Ga., Atlanta—Oglethorpe University will erect \$200,000 granite trimmed with limestone "owry School of Commerce and Banking"; Thornewell Jacob, Pres., advises: "Not yet completed plans and specifications for Lowry Building, but Architects will probably be Morgan & Dillon, Grant Bldg., Atlanta, Ga.\*\*"

Ga., Blackshear—City votes June 20 on \$27,000 bonds; erect two 1-story, brick schools for white and colored.

La., St. Bernard—St. Bernard Parish School Board plans to erect school building.

La., DeQuincy—Calcasieu Parish School Board, Lake Charles, receive bids this week for elementary and high-school buildings; \$90,000 bonds recently voted; Edward F. Neild, Archt., Merchants Bldg., Shreveport.\*

La., Goldonna—Natchitoches Parish School Board, Natchitoches, selected J. W. Smith, Archt., Ouchita Bank Bldg., Monroe, to prepare plans for school building; \$40,000 available.

La., Shreveport—Caddo Parish School Board, C. E. Byrd, Supt., receives bids June 10 on following: Stage equipment, manual training equipment, shades and draperies, cafeteria equipment, school furniture, lumber, brick, concrete material, janitor's supplies, stationery and other school supplies.

Md., Baltimore—Public Improvement Commission approved preliminary plans for \$2,500,000 City College, which has also been approved by School Board; Buckler & Fenham, Archts., 325 N. Charles St., expect to call for bids on foundation work soon.\*

Md., Berwyn—Prince Georges County Board of Education, Upper Marlboro, has \$22,300 available for rebuilding school building recently burned; Charles M. Lightbown, Archt., care Board.

Md., Laurel—Building Committee, Ogle Marbury Chmn., receives bids June 12 on 10-room and auditorium school building; plans and specifications may be obtained from R. E. Mitchell, Archt., Homer Bldg., Washington, D. C.\*

Miss., Braxton—Tiney Woods Country Life School for Negroes, Lawrence C. Jones, principal, raising funds to complete laundry building.

Miss., New Albany—School Board sold \$30,000 bonds for repairs to present school and new building on High School campus.

Mo., Cassville—Trustees of Mountain Home school district, near Cassville, will remodel school building.

Mo., Malden—Malden School District voted \$60,000 for purchasing site and erecting High School building; address Board of Trustees.\*

Mo., Poplar Bluff—Board of Trustees Poplar Bluff School District authorized Martin Laubis, prepare plans for West End School; \$75,000 bonds voted.\*

N. C., Asheville—W. L. Brooker, Supt. of Schools, opens bids early in July for 3-story and part-basement Hall-Fletcher High School in West Asheville, after plans by C. Gadsden Sayre, Archt., Jefferson Standard Bldg., Greensboro; cost \$350,000 including site, steel frame, brick exterior walls, fireproof corridors and stairs, metal lath and plaster, maple floors, slate blackboards, mechanical heating and ventilating; contain 50 recitation room units, 30 of which will be used for administration science laboratories, home economics, commercial department, library, cafeteria and industrial shops, auditorium seating 1100, gymnasium 60x80 ft. with bleachers.

N. C., Durham—Board of Education receives bids June 12 for \$125,000, 3-story, 40x120 ft., fireproof Junior High School building; Milburn, Heister & Co., Archts., Union Savings Bank Bldg., Washington, D. C. and First Natl Bank Bldg., Durham.\*

N. C., Greenville—East Carolina Teachers College, Dr. Robert H. Wright, Pres., receives bids June 16, according to plans and specifications by H. A. Underwood Co., Archts., & Engrs., Commercial Bank Bldg., Raleigh, for Campus Building.

N. C., High Point—City voted \$750,000 bonds for new High School and expansion of school program; address Board of Education.\*

N. C., Jefferson—Ashe County Board of Education consolidated 4 districts in Clifton and Gresham townships, made plans for erecting school building at mouth of Rich Hill Creek.

N. C., Kinston—City votes on or about July 14 on \$150,000 bonds for new High

## CONSTRUCTION DEPARTMENT

School building; address Board of Education.

N. C., Lexington—See—Tenn., Lexington.

N. C., Newton—Catawba County voted June 23 on \$250,000 bonds to complete building program; address County Commissioners.

N. C., Salisbury—G. B. Phillips, Supt. of Schools, opens bids June 5 for furniture and equipment for Boyden High School, including steel lockers, auditorium and stage equipment, motion picture machine and equipment for 5 science laboratories, 4 home economics laboratories, commercial department, clinic and administration offices; address proposals to Col. A. H. Boyden, Chmn. School Board, care G. B. Phillips.\*

S. C., Columbia—Board of Trustees of Olympia School District No. 4, M. P. Henry, Chmn., receives bids this week for Olympia High School, Rosewood Grammar and Heatwood Grammar schools; Wilson, Berryman & Kennedy, Archts., 1306 Palmetto Bldg.

S. C., Columbia—J. Carroll Johnson, Archt. Bldg., preparing plans for repairs and painting for several buildings of University of South Carolina.

S. C., Estill—Scroggs & Ewing, Archts., Lamar Bldg., Augusta, Ga., revising plans for school building; \$20,000 additional now available.

S. C., Greenwood—School Board receives bids June 23 for new High School building; J. C. Hemphill, Greenwood and Wilson, Berryman & Kennedy, Palmetto Bldg., Columbia, Archts.\*

S. C., Lancaster—W. P. Robinson received bids this week for High School building near Lancaster.

S. C., Greenville—Trustees of Parker School District acquired property for negro school building.

S. C., Spartanburg—Converse College Board of Trustees, S. B. Ezell, Pres., improve buildings and grounds this summer including installation of central heating plant; Lockwood, Greene, & Co., Engrs., Andrews-Law Bldg.

S. C., Wagener—Trustees of Wagener High School, A. E. Brodie, Chmn., received bids for erecting High School.

Tenn., Athens—McMinn County Board of Education receives bids June 11 for \$40,000 High School building; Manly, Young & Myers, Archts., Knaflie Bldg., Knoxville.\*

Tenn., Chattanooga—Fred B. Frazier, Commissioner of Education, receives bids June 12 for addition to Dickinson Junior High, Gordon Smith, Archt., Volunteer Life Bldg., June 13 for addition to Orchard Knob School, C. E. Bearden, Archt., First Natl. Bank Bldg.; June 15 for addition to Oak Grove School, W. H. Sears, Archt.\*

Tenn., Covington—Board of Education call election July 1 on \$25,000 bonds for repairs and addition to Byars Hall High School, and purchase site for dormitory for high school, which county proposes to erect.

Tenn., Jonesboro—City voted \$35,000 school improvement bonds. Address School Board.

Tenn., Lexington—Board of Education reported considering plans for rebuilding High School, burned at \$60,000 loss. (Reported incorrectly as N. C., Lexington.)

Tenn., McKenzie—Bethel College Board of Education, C. A. Galloway, Pres., contemplating enlarging.

Tenn., Nashville—Fisk University Board of Trustees, Paul D. Cravath, Pres., reported to plan expansion program.

Tenn., Nashville—Board of Education called for bids for addition to Fall School, Eighth Ave. and Chestnut St., \$40,000; plans to erect grade school, Seventh Ave., North.

Tenn., Nashville—David Lipscomb College, Granby White Park, erect \$100,000 administration building this summer; 3 stories, brick, contains bath, offices and classrooms; H. Leo Boles, Pres.

Tex.-Ark., Texarkana—Rev. W. Francis O'Brien, pastor of Sacred Heart Catholic Church, announced work to start soon on \$75,000 Sacred Heart Academy, first unit of educational building program; will later erect combination parish, social house and auditorium.

Tex., Ben Bolt—Board of Education opened bids for 4-room and auditorium, tile and stucco school building; L. B. Mitchell, Alice, low bidder at \$10,487; R. H. Milton, Archt., Corpus Christi.\*

Tex., Big Foot—Big Foot School District voted \$18,000 bonds for brick school build-

ing; T. C. Cobb, principal; Phelps & Dewees, Archts., San Antonio.

Tex., Bloomington—Bloomington Independent School District Board of Trustees, care Gilbert Pritchard, opens bids June 11 for 2-story, semi or fireproof, 146x56 ft., 9-room school building; hollow tile, metal ceilings; major items to be purchased include desks, teachers' desks and chairs, laboratory, steel lockers, stage scenery, window shades, etc.; C. H. Page, Archt., Austin National Bank Bldg., Austin.\*

Tex., Britton—Britton Common School District, Tarrant and Ellis Counties, votes June 15 on \$15,000 school improvement bonds; address Judge Moore, Tarrant County Commissioners, Fort Worth.\*

Tex., Dallas—Dallas Vocational Training School, C. A. Jay, Pres., soon select site for first building to cost \$500,000.\*

Tex., Dallas—Board of Education, C. M. Moore, Pres., approved preliminary plans, final plans in progress for \$90,000, brick, stone, steel and reinforced concrete, fireproof, 2-story addition to Bowie School; also \$75,000 City Park School addition; H. A. Overbeck, Archt., 306 Melba Theater Bldg.; R. Y. Taylor, Mech. Engr., 1305 Santa Fe Bldg.\*

Tex., Fort Worth—City votes June 20 (postponed from May 29), on \$22,000,000 school improvement bonds; W. M. Short, Pres. Board of Education.\*

Tex., French—Board of Education call election June 13 on \$35,000 bonds for new school building.

Tex., Houston—Board of Education Houston Independent School District, H. L. Mills, Bus. Mgr., 1600 Washington Ave., opened bids for Junior High School; Fred B. Chambers Construction Co. low bidder at \$379,435; Sanguinet, Staats, Hedrick & Gottlieb, Archts., Second Natl. Bank Bldg.\*

Tex., Jourdanton—Jourdanton Independent School District Board of Trustees opens bids June 11 for 1-story, hollow tile and concrete school and remodeling present building; Morris & Noonan, Archts., Builders Exchange Bldg., San Antonio.\*

Tex., Perrin—Board of Education selected A. B. Wither, 107½ Oak St., Mineral Wells, prepare plans for \$20,000, brick and concrete school building; bond election at once.

Tex., Powell—School Board erect school building; \$30,000 bonds recently voted.

Tex., San Antonio—Westmoreland College Board of Trustees, Dick O. Terrell, Pres., received gift of \$150,000 toward cost of new dormitory from Mr. and Mrs. R. M. McFarlin; campaign for \$300,000 successfully completed.

Tex., Santa Cruz—Santa Cruz Independent School District Board of Trustees soon have plans by Phelps & Dewees, Gunter Bldg., San Antonio, for \$26,000, 1-story, 6-room, fireproof school building.

Tex., Wichita Falls—City votes June 20 on \$500,000 school bonds; previous bond issue disapproved; W. B. Chauncey, Pres. School Board.

Tex., Winnsboro—Board of Education selected Sparger & Peters, Bonham, prepare plans for \$40,000, brick and stone High School building.

Va., Radford—Bonham Hotel, care A. S. Johnson, install new equipment.

W. Va., Berwind—Board of Education Big Creek District, E. M. Cooley, Sec., received bids for 8-room building Newhall, 6-room building Bartley, combined gymnasium and auditorium at Berwind with alterations to present building, addition to Yukon Junior High with changes to present school, addition to Excelsior Colored High and changes to present building.

W. Va., Bluefield—Bluefield College Board of Trustees, Frank S. Easley, Pres., broke ground for gymnasium building; Mahood & Van Dusen, Archts. L. C. Bldg.\*

W. Va., Elk View—Board of Education receives bids this week for addition to Elk District High School; Wysong & Bengtson, Archts., 310 Professional Bldg., Charleston.

W. Va., Morgantown—Board of Education Morgantown School District, W. S. John, Sec., opens bids June 16 for High School building;

following contractors bidding: Baker & Coombs, 276 Walnut St.; Cole Brothers, Price Bldg., both Morgantown; E. H. Latham Co., 60 E. Broad St., Columbus, Ohio; Engstrom & Co., 1117 Chapline St.; R. R. Kitchen & Co., both Wheeling; C. D. Keyser & Co., Bellaire, Ohio; Foreman & Putnam, Marietta, Ohio; Concrete Steel Bridge Co., 600 E. Pike St., Clarksburg; Yeager & Sons, Danville, Ill.; W. P. Thurston Co., Richmond, Va.; King Lumber Co., Charlottesville, Va.; Carl W. Shimp, Martins Ferry, Ohio; plans and specifications may be obtained from E. E.

## Manufacturers Record

B. Lee, Archt., 1210 Chamber of Commerce Bldg., Pittsburgh, Pa.\*

## Stores

Ala., Birmingham—W. O. Broyles, 2033 third Ave., N., purchased lot, Third Ave. N. between 24th and 25th Sts., plans to erect 4-story store building.

Ala., Foley—Joseph Tagescher erect 2-story, brick store and apartment house, Laurel Ave. and Alston St.; Hamilton Ford, Loraine, Ohio, and Magnolia Springs, designing Archt.

Ala., Opelika—L. F. Dickson. (See Buildings Proposed—Bank and Office.)

Fla., Bartow—Bohde & Grass, Alturas, plans to erect stucco store building, Vineville and Elm Sts., Gardenia Estates.

Fla., Delray—Samuel Ogren, Archt., preparing plans for \$40,000, 2-story, 97x140 ft. store and office arcade for Atlantic Avenue Co., R. J. Raines, Sec.\*

Fla., Haines City—Dr. S. C. Deal, Tuscaloosa, Ala., purchased 2 business sites, reported to improve in summer.

Fla., Jacksonville—Walter F. Leonard and George Mueller, 1510 Forbes St., head of D. F. M. department stores, leased property, N. W. cor. Adams and Main Sts., reported to erect store building with expiration of present lease.

Fla., Orlando—L. M. Autrey, 408 Hillcrest St., plans to build 4 stores, Gore Ave. and S. Hughey St.

Fla., Orlando—Jack Thatcher purchased site, reported to erect business building.

Fla., Sarasota—L. Kornfield plans to erect business block on Broadway.

Fla., St. Petersburg—Margaret Finn erect 2-story, hollow tile addition and alter building, 228 Central Ave., \$20,000.

Fla., St. Petersburg—C. Merriwether, 317 10th Ave. S., erect \$15,000, 2-story store and apartment building, 22nd St.

Fla., West Palm Beach—J. L. Hutson erect stores, Dixie Highway between Fourth and Fifth Sts., \$32,000.

Fla., West Palm Beach—Miss N. M. Helleker, Cleveland, Ohio, erect \$25,000 2-story store and apartment building.

Fla., West Palm Beach—L. S. Nelson let contract to J. H. Griffin for \$18,000, 1-story, hollow tile and stucco, Spanish type store building, Dixie Highway and Washington Drive.

Ga., Atlanta—W. M. Sutton, 22 Kirkwood Road and W. T. Whisenet, 61 E. Boulevard Drive, erect \$10,000, 1-story, brick veneer store, 732-40 Boulevard DeKalb.

Md., Baltimore—S. Miller purchased lot, N. E. cor. Ramsay and Addison Sts., reported to erect store and dwelling.

Md., Baltimore—Mano Swartz, 225 N. Howard St., acquired buildings, 11, 13 and 15 E. Franklin St., reported to remodel for business purposes.

Md., Frederick—Panaitsas De Nicholas, New York and William N. Vacillou, Baltimore, leased Buffalo Restaurant, make extensive improvements, install new equipment.

Miss., Columbus—Kaufman Brothers has plans by E. P. Benes & Co., Memphis, Tenn., soon let contract for 3-story and basement, brick and concrete department store.

Miss., Hattiesburg—Fine Brothers has plans in progress by Mr. Springer, Archt., for remodeling and adding two stories to 2 buildings on Main St.

Mo., Kansas City—Fred C. Gunn, Archt., 1108 Continental Bldg., prepare plans for replacing Rockey Building, S. W. cor. 12th St. and Grand Ave., with \$300,000 2 or 3-story structure.

N. C., Charlotte—Piedmont Realty & Development Co., J. H. Cutler, Pres., Commercial Bank Bldg., let contract about July 1 for brick, terra cotta and concrete, 66x150 ft. stores, W. Trade St.; 2 stories with provision for addition, hardwood, tile and concrete floors, concrete foundation, composition roof, ventilators, ornamental terra cotta; Charles C. Hook, Archt., 338 S. Church St.\*

N. C., Winston-Salem—T. V. Edmunds, Hamilton, Bldg., erect \$17,500 store and dwelling, N. Trade St.

N. C., Winston-Salem—W. M. Norfleet, 505 Fifth St., erect \$20,000 stores, W. Sixth St.

Tex., Amherst—C. C. Morgan erect two 25x80 ft. store rooms, Main St.

Tex., Dallas—Clara Wendrath erect 3 brick stores, 1911-13 Greenville St.; \$10,000.

Tex., Dallas—L. J. Bothwell, Archt., 1203 Athletic Club Bldg., soon receive bids for \$15,000, 1-story, brick business building; tar

and gravel roof, concrete floors, plate glass front.

Tex., Houston—Joseph Finger, Keystone Bldg., erect \$10,000, brick, steel and reinforced concrete store building, Caroline and Lamar Sts.

Tex., Houston—March Culmore opened bids for 1-story, fireproof business building, Main St. and Stuart Ave.; John McLellan, Archt., Woolworth Bldg.

Tex., San Antonio—Alamo Furniture Co., Inc., purchased 2-story building, 136-8 Commerce St., plans under way by Herbert S. Green, Alamo Bank Bldg., for remodeling.

Tex., San Antonio—Henry Heim, 601 Goliad St., receiving bids for 1 and 2-story, brick store building, 602 Goliad St.; private plans.

Tex., San Antonio—A. H. Higginbotham, 510 S. Flores St., contemplates erecting business building, Main Ave. and Poplar St.

Tex., Waco—Mrs. R. B. Killough erect \$21,500, 1-story building, 1105 Austin St.

Va., Richmond—Myer Greentree, 701 E. Broad St., has plans by Carl M. Linder, Archt., American Natl. Bank Bldg., soon start work on four 2-story and basement brick store buildings, Grace St. between Fifth and Sixth Sts.

### Theaters

Miss., Starkville—Raymond and Arthur Goodman, owners of Rex Theater, remodel and erect addition.

N. C., Charlotte—J. H. Cutter, 700 N. Tryon St., announced plans for immediate construction of \$250,000 theater, S. W. cor. N. Tryon and Sixth Sts.; Famous Players-Lasky Corp., 485 Fifth Ave., New York, will lease and expend \$100,000 on equipment.

N. C., Winston-Salem—Piedmont Amuse-

ment Co. has plans in progress by Northup & O'Brien, Starbuck Bldg., for photoplay theater on Liberty St.

### Warehouses

Ark., Sulphur Springs—Board of Directors of Federation of Women's Clubs of Southwest will erect theater, seating capacity 1000.

Fla., Lake City—Evans & Ives, Inc., C. H. Evans, Pres., 2 S. Desoto St., erect warehouse in 60 days; plans and details not yet ready.

Fla., Sarasota—W. L. Hoggard Co. of Georgia purchased property, Day Terminal, erect 2-story building; also erect office building.

Fla., Wauchula—Wauchula Supply Co. erect warehouse and store room soon.

N. C., Charlotte—Southern Power Co. reported called for tentative bids for row of warehouses, W. First St.; cost between \$450,000 and \$500,000.

N. C., Raleigh—Standard Oil Co., 329 N. Harrington St., erect \$40,000 warehouse, office and garage on North St.; 2 stories, brick.

Tenn., Chattanooga—Mercer Reynolds, Col. Bierce and C. C. Hanson, Propr. of Churchill Compress Co., The Fidelity Bank Bldg., Memphis, completed negotiations for concrete and steel cotton warehouse to cost from \$150,000 to \$200,000, to be erected in connection with Alton Park compress.

Tenn., Johnson City—A. R. Brown and M. F. Parsley erect \$12,000, 1-story, brick wholesale house, Nolachuckey Ave., to be leased by Hickey McCorkle Wholesale Grocery Co.

Tex., Dallas—Robertson & White, 2300 S. Harwood St., soon receive bids for 530x120 ft., 1 and 2-story, brick and mill construction warehouse.

## BUILDING CONTRACTS AWARDED

### Association and Fraternal

Fla., St. Petersburg—Salvation Army, 909 Eighth Ave., South, Margaret Batts, Capt., will erect \$50,000 building after plans by W. W. Serviss, Bldr.; gymnasium, etc.\*

La., New Orleans—Grand Lodge of Louisiana, A. F. & A. M., John A. Davilla, Sec., 533-35 Iberville St., let contract to James Stewart & Co., 408 Pine St., St. Louis, Mo., for 15-story Masonic Temple; steel, Virginia Bridge & Iron Co., Roanoke, Va.; ventilating, J. W. Hull Plumbing & Heating Co., 329 Union St., Memphis, Tenn.; refrigeration, Rantz Engineering & Machine Works; oil burning equipment, Rogers Higgins Co.; plumbing, Union Plumbing & Heating Co., all New Orleans; cost \$2,000,000 without furnishings and equipment; pile foundation, hollow and interior tile, concrete and hardwood floors, composition roof, metal doors, vaults, mail chutes, vault lights, steel sash and trim, wire glass; elevators; Sam Stone, Jr., Archt., 714 Union St.\*

### Bank and Office

Ark., Little Rock—American Southern Trust Co., E. P. Gulley, member, Board of Directors, let contract for \$100,000 addition to Ault & Burden, 117 W. Second St.; 55x95 ft., vaults; Mann & Stern, Archts., A. O. U. W. Bldg.\*

Fla., Fort Lauderdale—Broward County Realty Board let contract to Prescott & Boyd for first unit of \$250,000 ten-story office building; 2 stories and foundation, cost \$75,000; John M. Peterman, Archt. (Fort Lauderdale Building & Finance Co., lately noted contractor)\*

Fla., St. Petersburg—St. Petersburg Independent State West Coast Holdings Co., H. W. Gilbert, Pres., let contract to Franklin J. Mason Co. for \$350,000 steel office building, Fourth St. and Central Ave.; 10 stories; Francis J. Kennard, Archt., Krause Bldg., Tampa; Henry H. Dupont, Asso. Archt., First National Bank Bldg.\*

Fla., Winter Park—Bank of Winter Park let contract to enlarge banking rooms; cost \$30,000; new vaults with 1000 safety deposit boxes.

Miss., Corinth—Corinth Bank & Trust Co. let contract at about \$30,000 to Malone & Bowden Tile and Marble Co. for furnishing and installing fixtures and marble work in building under construction to replace burned structure; Hanner & Cairns, Archts., Scimitar Bldg., both Memphis, Tenn.\*

Mo., St. Louis—Grand-Miami Corp., 1200 Pierce Bldg., let contract to G. Sokol, 7069 Pershing Ave., for \$375,000 building, 3600-14 S. Grand Blvd. and 3536 Miami St.; brick, 3

stories, 72x151 ft., composition roof, steam heat; plans by Contr.

Mo., St. Louis—St. Louis Medical Society, 3525 Pine St., Dr. Fred Bailey, Pres., let contract to Dixie Construction Co., Syndicate Trust Bldg., for \$200,000 library and meeting rooms building, McPherson and Vandeventer Aves.; brick, 2 stories, 120x59 ft., concrete roof, steam heat; \$100,000 auditorium later; A. B. Groves, Archt., 314 N. Fourth St.\*

S. C., Greenville—Chamber of Commerce, John A. Russell, Chmn. Bldg. Comm., let contract to Potter & Shackleford Construction Co., for completing \$300,000 ten-story office building; Beacham & LeGrand, Archts., North St.; J. E. Surrine & Co., Asso. Archts.-Engrs., 300 S. Main St.\*

Tenn., Alcon—United States Aluminum Co., 2400 Oliver Bldg., Pittsburgh, Pa., is erecting brick and concrete office building; 1 story, 70x201 ft., oak, terrazzo and concrete floors, slate roof; P. R. L. Hogner, Archt., New Kensington, Pa.

Tenn., Memphis—Madison Building Co., Oran L. Sackett, Pres., Bank Commercial Bldg., will erect \$1,200,000 Medical Arts Bldg.; 8 stories and basement, with 2-story and basement garage in rear, fireproof, brick, ornamental terra cotta; 7 stores on first floor, offices on upper floors; Tietig & Lee, Archts. Fourth National Bank Bldg., Cincinnati, O.; Henry J. Kramer, Asso. Archt., Constr. Supervisor; financing by G. L. Miller & Co., Hurt Bldg., Atlanta, Ga.

Tex., San Antonio—Stowe Davis Furniture Co. have furniture contract for Commercial National Bank and Commercial Loan & Trust Co., building; Phelps & Dewes, Archts., Gunter Bldg.; Jay DePuy, Contr., Bedell Bldg.\*

W. Va., Charleston—Kanawha City Bank is excavating for \$50,000 building, Kanawha City.

### Churches

Ark., Plumerville—First Baptist Church let contract for about 25,000 ft. lumber for building to replace burned structure to Bell Lumber Co.; brick work by C. W. Darr, both Atkins.\*

Fla., Miami—North Side Church of the Nazarene, Rev. J. L. Roby, Pastor, has started work on \$20,000 building, N. W. 4th Ave. and 56th St.

La., Monroe—Grace Episcopal Church let contract to Jefferson Construction Co., 823 Poydras St., New Orleans, for \$100,000 main auditorium, Sunday school annex and parish house; 76x120 ft., brick; Jones, Roessle, Olshner & Wiener, Archts., Ardis Bldg., Shreveport.\*

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

La., New Orleans—First Baptist Church will erect \$62,000 Sunday school; Delachaise St.; F. J. O'Donnell, Archt.; Thos. H. Brockmar, Contr., 1525 Verne St.

La., New Orleans—St. Henry R. C. Church will erect building, Gen. Pershing and Magazine Sts.; Lionel F. Favret, Louisiana Bldg., contract at \$42,122.

Mo., Columbia—Methodist Episcopal Church, South, F. F. Stephens, Sec.-Treas., Bldg. Comm., let excavation and foundation contract for \$250,000 brick and stone church and Sunday school building to Phillips Construction Co., at \$70,000; 3 stories, L-shape, 138x190 ft., concrete and hardwood floors, concrete foundation, slate or tile roof, hollow tile, metal doors, rolling partitions, steel sash, wire glass; plans by Architectural Dept., Board of Extension of M. E. Church, South, H. M. King, Architectural Sec., 1115 S. Fourth Ave., Louisville, Ky.\*

Mo., Independence—First Christian Church let contract at \$23,500 to M. T. Colgan, Fairland Heights, for completing building, including heating, plumbing and wiring; basement in use.\*

Mo., St. Louis—Bromschwig Undertaking Co., 1723 N. Taylor St., will erect \$18,000 chapel, 4740-43 W. Florissant St.; brick, 2 stories, 40x50 ft., composition roof, steam heat; C. W. Schuler & Co., Contr., 2838 Texas St.

Okla., Pawhuska—First Christian Church, Rev. Jas. Miller, Pastor, reported let contract for \$75,000 building to Erle S. Smith, 3 stories, 75x93 ft., brick, stone and steel; Clyde H. Woodruff, Archt., 400 Reynolds Bldg., Fort Worth, Tex.

S. C., Clinton—Clinton Mills let contract at \$21,887 to C. M. Guest, for Type C Methodist Church; Casey & Fant, Archts., both Anderson.\*

Tenn., Jackson—Central Church of Christ, Rev. R. L. Wilson, Pastor, Henderson, let contract to Tatum Bros. for \$12,000 building, Chester and Shannon Sts.; brick, stone trim; auditorium and balcony seat 800, 8 classrooms.\*

Tex., Gonzales—First Baptist Church will install gallery in main auditorium and erect 3 Sunday school rooms; Tom Hodges, Contr.

Tex., Port Arthur—First M. E. Church, South, let contract for \$51,000 last unit of \$175,000 building to Wm. L. James; steam heating, Briley Plumbing Co.; conduit electric work, Electric Specialty Co., 743 Proctor St.; fireproof, 2 stories, concrete and steel 55x80 ft., furnishings, equipment, etc., \$15,000; items to be purchased include pews, organ, opera chairs; Paul C. Silber & Co., Archts., Bedell Bldg., San Antonio.

Tex., San Antonio—South Side Methodist Church, O. M. Ballard, Chmn. Bldg. Comm., will erect \$40,000 building, W. White St.; Morris & Noonan, Archts., Houston Bldg., contract for \$10,000 first unit to M. L. Rees.

### City and County

Fla., Daytona Beach—City, C. Roy Miller, member, City Council, purchased site, Goodall St. and Grandview Ave., for city hall and fire station; city let contract to A. B. Avery for concrete seats, E. side Beach Rest.\*

Fla., Tampa—City, W. Lester Brown, City Mgr., let contract at \$250,214 to McDevitt-Fleming Co., First Natl. Bank Bldg., Chattanooga, Tenn., for fireproof municipal auditorium, including amount not exceeding 10,000 for loft for dramatic stage; steel frame, brick walls, 2 stories, hollow and interior tile, ornamental terra cotta, steel sash, wire glass; Francis J. Kennard & Son, Krause Bldg., and F. O. Adams, Jr., Grand Theater Bldg., Architects.\*

Fla., Roanoke—City, let contract at \$42,376 to T. D. Franklin, 366 Mountain Ave., S. W., for 2-story semi-fireproof almshouse to replace burned structure; about 30 rooms; H. M. Miller, Archt., Shenandoah Life Bldg.

### Dwellings

D. C., Washington—Cafritz Construction Co., 1400 K St. N. W., Morris Cafritz, Pres., will erect number of dwellings, Chevy Chase Terrace near Chevy Chase Country Club, in addition to number under construction; owner builds.

Fla., Jacksonville—Foundation Realty Co., will erect number of dwellings, Stockton Place; first dwelling \$5000; Sunnyland Co., Contr.; J. O. Prevost president both companies.

## CONSTRUCTION DEPARTMENT

## Manufacturers Record

Fla., Miami—A. C. Allison, Pres., Coral Gables Art Stone Co., will erect \$10,000 bungalow, Coral Gables, 1-story, concrete block and stucco, art stone trim; H. Geo. Fink, Archt., Congress Bldg.

Fla., Miami Beach—C. W. Chase will erect \$24,000 residence, block 1, Nautilus sub-division; 9 rooms, 2-car garage; Beach Construction Co., Contr.

Fla., Orlando—Better Homes Corp., Nieport Estes, member, let contract to Bensley Bros., Orlando, and W. A. Houston, Winter Park, for 28 dwellings, on or near Tampa Ave., Sycamore Heights Division, Sunset Park; 5 rooms, brick veneer and frame.

Fla., Sebring—R. D. Sanford, care Circle Inn, are erecting Spanish type residence, Lakeview Place.

Ga., Atlanta—Southern States Construction Co., Glenn Marshbanks, Pres., 101 Marietta St., has contracts for number of dwellings.

La., New Orleans—D. D. Colley, 2480 Gen. Pershing St., will erect \$14,500 residence, Gen. Pershing and Howard Sts.; H. F. Hinrichs & Son, Contr., Q. & C. Bldg.

Md., Baltimore—Cityco Realty Co., 7 St. Paul St., will erect 4 brick dwellings, N. W. cor. Druid Park Drive and Hillsdale Place; 2 stories 18x36 ft.; total cost about \$14,000.

Md., Baltimore—E. J. Gallagher Realty Co., Munsey Bldg., will erect 12 brick dwellings, 1101-23 Darley Ave.; 14x39 ft., 13x29 ft. and 16x28 ft., furnace heat; total cost about \$17,000; plans and construction by owner.

Md., Baltimore—Cecil W. West will erect \$25,000 Colonial residence and garage, W. side Garrison Blvd. N. W. cor. 39th St. and Juniper Rd.; 2½ stories, 41x43 ft. and 19x21 ft., slate roofs, hot water heat; Hugh Magruder, Archt.; L. L. Chambers, Inc., Contr., 36th St. and Roland Ave.\*

Md., Baltimore—Capital Construction Co. will erect 43 dwellings, Frederick Rd. and Palermo, Palermo and Leeds and Seigworth and Leeds Ave.; 2 stories, about 16x32 ft., brick, slag roofs, hot air heat; total cost about \$100,000; Fredk. E. Beall, Archt., 306 St. Paul St.; H. M. Reinhart, Contr., Calvert Bldg.\*

Md., Baltimore—Geo. Deckelman & Co. will erect 4 frame dwellings, N. E. cor. Cook and Nuth Aves.; 1½ stories, 24x26 ft., shingle roofs; total cost \$12,000; R. C. Brockmeyer, Archt.; owner builds.

Md., Baltimore—John F. Hinley will erect 5 brick dwellings, 1643-51 Carswell St.; 2 stories, 14x40 ft., Carey roofs, furnace heat; plans and construction by owner.

Md., Baltimore—Dumbarton Development Co., Citizens National Bank, will erect dwelling, Crossland and Southvale Rds., and one Overbrook Rd. near Park Heights Ave.; hollow tile and stucco, 2 stories, oak floors, stone foundations, slate roofs, hollow and interior tile; total cost \$50,000; Palmer, Willis & Lambdin, Archts., 513 N. Charles St.; Thos. Hicks & Son, Inc., Contrs., 106 W. Madison St.; heating, Chenoweth Plumbing & Heating Co.; electric work, Herda Electric Co., 3300 Eastern Ave.; plumbing, Chas. T. King Co., 523 N. Charles St.\*

Md., Baltimore—Palmer Realty Co., Equitable Bldg., will erect 11 brick dwellings, E. side Walcott Ave. near Woodland Ave. and Bonner Rd.; 2 stories, 21x35 ft., slag and slate roofs; total cost \$30,000; Geo. Wessel, Archt., 3001 Lyttleton Rd.; owner builds.

Mo., Clayton (Ind. Branch St. Louis)—Chester Schaum, 2325 Texas St., will erect \$16,000 residence and attached garage, 536 Warren Ave.; brick, 2 stories, 38x33 ft., tile roof, hot water heat; Leonard Haeger, Archt., 3844 Utah St.; Theo. Henry Ratz, Contr., 917A Pine St., both St. Louis.

Mo., Kansas City—N. H. Huey, 519 Reliance Bldg., has completed foundations for two \$18,000 dwellings, 430-34 W. 67th Terrace; frame, 2 stories, 47x30 ft., Bruce oak floors, cedar shingle roofs, interior tile; B. S. Ginsburg, Archt., care J. C. Nichols Investment Co., 911 Commerce Bldg.; Henry E. Robison, Contr., 3936 Brooklyn St.; heating and plumbing, G. H. Oxler, 7424 Broadway.\*

Mo., St. Louis—H. J. Ott, 4322 Wyoming St., will erect 5 brick dwellings, 4334-48 Wyoming St.; 1 story, 25x42 ft., composition roofs, hot air heat; total cost \$22,500; Atlas Building Co., Archt.-Contr., Wellston.

Mo., St. Louis—F. Alewel, 2900 Market St., will erect 40,000 residence, 6143 Lindell Blvd.; brick, 2 stories, 80x40 ft., slate roof, hot water heat; Moritz & Young, Archts., Chemical Bldg.; J. M. Higbee, Contr., 4164 Delmar Blvd.

Mo., St. Louis—A. J. Cross, 5026 Arlington St., will erect 4 brick dwellings, 5705-9-11 Terry St.; 1 story, 22x32 ft., composition roofs, furnace heat; total cost \$12,000; owner builds.

Mo., St. Louis—Hamley Realty Co., 3611 N. Grand Blvd., will erect 10 brick dwellings, 5133-37-39-43-45-49-51-59-61 Ashland St.; 1 story, 26x40 ft., slate-coated shingle roofs, hot air heat; total cost \$30,000; H. C. Volkmann, Archt.-Contr., 5481 Claxton St.

Mo., St. Louis—J. W. Jones, 4982 Thekla St., will erect 5 brick dwellings, 4828-44 Lee St.; 1 story, 27x36 ft., slate roofs, furnace heat; total cost \$22,500; plans and construction by owner.

Mo., St. Louis—C. Muerl, 3609 Hartford St., will erect 5 brick dwellings, 6005-09-15-17-19 Dewey St.; 1 story, 27x33 ft., composition roofs, hot air heat; total cost \$15,000; H. Schaumburg, Archt., 3631 Connecticut St.; owner builds.

Mo., St. Louis—J. Rilurz, 3627 Gravois St., will erect \$10,000 brick residence, 1106 Kingshighway Park; 2 stories, 31x32 ft., composition roof, furnace heat; C. Breitschue, Archt., 3508 Humphrey St.; E. Hartman Construction Co., Contr., 3527 Louisiana St.

Mo., St. Louis—W. Rodefield, 6307 Garesche St., will erect 3 brick dwellings, 5731-35-37 Goodfellow Blvd.; 1 story, 25x43 ft., asphalt shingle roofs, hot air heat; total cost about \$10,000; G. J. Weber, Archt., Contr., 6317 Garesche St.

Mo., St. Louis—J. & C. Rieger, 3965 McPherson St., will erect brick tenement, 4967 Odell St.; brick, 26x48 ft., gravel roof, hot water heat, cost about \$10,000; J. J. Gilbane, Archt., 207 Fidelity Bldg.; J. & C. Rieger, Contr., 3965 McPherson St.

Mo., St. Louis—H. Koherman, 4642 Gravois St., will erect 12 brick dwellings, 4683-91 4710-16, 4711-19 Tesson and 4710-18 Prim Sts.; 1 story, 24x26 ft. and 24x31 ft., composition roofs, furnace heat; total cost \$24,000; A. Koherman, Archt.-Contr., 4642 Gravois St.

Mo., St. Louis—J. H. Leonard, 5360 Christy St., will erect 3 brick dwellings, 5614-18 Manganford St.; 1 story, 24x40 ft., composition roofs, hot air heat; total cost \$10,500; owner builds.

Mo., St. Louis—F. Seidler, 103 N. Eighth St., will erect 3 brick dwellings, 6275-81 Marmaduke St.; 1 story, 26x38 ft., composition roofs, hot air heat; total cost \$12,000; C. J. Baker, Contr., 5232 Loughborough St.

Mo., University City—Joe Marrie, 4910 St. Louis St., will erect \$10,600 brick residence, 7245 Kingsbury Blvd.; 2 stories, 29.5x44 ft., built-up composition (flat) and slate (steep) roof, hot water heat; Klingensmith, Rice, Wilkins, Archts., 1064 Arcade Bldg.; Wilkins & Philipp Construction Co., Contr., Compton Bldg., all St. Louis.

Mo., University City (Station St. Louis)—Geo. Burley, 2325 Texas St., will erect \$14,000 brick residence and garage, 537 Warren Ave.; 2 stories, 36.5 x 36 ft., slate and reinforced concrete roofs, hot water heat; Leonard Haeger, Archt., 3844 Utah St.; Theo. Henry Ratz, Contr., 917A Pine St., St. Louis.

Mo., University City (Station St. Louis)—J. J. Fucks, 4344 Laclede St., will erect \$10,000 brick residence and garage, 328 Melville Ave.; 2 stories, 27x29 ft., slate roof, hot water heat; E. Reis, Archt., 3896 Park St.; E. J. Scally, Contr., 4061 Mumphy St., all St. Louis.

Mo., University City (Station St. Louis)—Mrs. Fannie L. Lachmund, 3935 Castlemain St., will erect \$14,000 residence and garage, 7275 Craveling Drive; brick, 2 stories, 39x43 ft., slate roofs, hot water heat; Wm. P. McMahon, Archt., 819 Buder Bldg.; Wendel Shassere, Contr., 5617 Theodosia St., St. Louis.

N. C., Charlotte—Troy Peters, Brandon Rd., Myers Park, will erect \$20,000 dwelling near present structure; brick, tin roof, 10 rooms; also erect \$10,000 dwelling, East Boulevard; 7 rooms; Southeastern Construction Co., Contr., 129 Brevard Cr.

N. C., Carthage—C. O. Bell is laying foundation for residence, Benner Heights.

N. C., Greensboro—A. K. Moore Realty Co., 116 W. Market St., will erect \$15,000 dwelling, Chapman and Market Sts.; 2 stories, 9 rooms, copper roof.

N. C., Morehead—A. Burwell will erect summer residence; Simmons Construction Co., Contr., Brevard Court, both Charlotte.

Okl., Norman—Dr. J. S. Wiley let contract at \$17,000 to Barber & Short Construction Co., for residence; heating and plumbing, Fisher Plumbing Co.; brick and tile, 2

stories, 31x45 ft.; Sorey & Vahlberg, Archts., 212½ W. First St., Oklahoma City.\*

S. C., Spartanburg—Hines, McDowell & Tuck have contract for 2 dwellings at water works plant, South Pacolet River above Boiling Springs; 6 rooms; total cost about \$11,650.

Tenn., Rutledge—J. H. Galyon let contract for brick veneer residence.

Tenn., Memphis—J. A. Smith, Contr., is erecting \$25,000 tile and stucco residence, 196 South Parkway, East; 9 rooms.

Tex., Dallas—John W. Hoser, S. W. Life Bldg., has started work on \$60,000 residence, Kessler Park; brick, 2 stories, attic and basement, tile roof; H. O. Blanding, Archt., Corsicana and Dallas.

Tex., Houston—W. S. Humphrey, 1415 Fairview St., is erecting \$12,000 residence, 1711 Marshall Ave.; 2 stories, 6 rooms, brick veneer.

Tex., Houston—Chris J. Miller, 1311 S. Blvd., is erecting 2-story Colonial residence, Chevy Chase Drive, River Oaks; John F. Staub, Archt., Union Natl. Bank Bldg.

Tex., Houston—E. O. Hall, Union Natl. Bank Bldg., has started work on \$60,000 residence, 1106 Bissonett St.; 2 stories, 7 rooms, brick veneer; Thos. M. Murray, Contr., Second Natl. Bank Bldg.

Tex., Houston—H. B. Jones, 906 Peden St., let contract for 5 dwellings, Sul Ross Ave., to Frank Engelking, 1923 Norfolk St.; brick veneer, 2 stories; total cost \$50,000.\*

Va., Bluefield—J. T. Walthall will erect 2 additional dwellings; work started on one; also erecting dwelling in Lebanon for H. H. Sanders.

Va., Tenn., Bristol—D. W. Wagner has started work on English type residence, Euclid Ave., Lee Heights; part local limestone, cast stone trim; Clarence B. Kearfott, Archt.; R. V. Arnold, Asso. Archt.; owner builds.

Va., Richmond—Laburnam Realty Corp., 924 E. Main St., let contract for 5 dwellings, Westover Hills, to Jas. Fox & Sons, 2501 E. Franklin St.; additional dwellings under construction.

Va., Richmond—F. Brigg Richardson, Vice-Pres., Central National Bank, erecting residence, Westover Hills.

Va., Richmond—R. H. Walker, Laburnum Court, erecting English type residence, Westover Hills.

W. Va., Bluefield—T. H. Cooper, Jr., will erect English type residence, Montale addition; brick and stone; Mahood & Van Dusen, Archts., L. C. Bldg.; J. H. Heldreth & Son, Contrs., Tazewell, Va.

## Government and State

La., West Monroe—Treasury Dept., Jas. A. Wetmore, Act. Supervising Archt., Washington, D. C., let contract to Capt. H. M. Williams for post office building, Wood and Cotton Sts.; brick, 2 stories; probably offices on second floor.

Md., Hagerstown—Maryland National Guard let contract for \$60,000 armory to John L. Vandegrift & Bro., Cumberland; 2 and 1 story, 75x140 ft.; brick and concrete; Robt. L. Harris, Archt., 13 W. Saratoga St.; T. Hamilton Walker, Contr., Engr., 107 E. Pleasant St., both Baltimore.\*

## Hospitals, Sanatoriums, Etc.

Fla., Lakeland—City let contract at \$238,748 to Autley Co., Savannah, Ga., for fireproof Morrell Memorial Hospital; reinforced concrete, 3 stories, basement and roof pavilion, 168x108 ft., concrete and rubber tile or linoleum floors, 103 beds, accommodate 30 additional in solariums; Franklin O. Adams, Archt., Grand Theater Bldg., Tampa.\*

Md., Baltimore—Hebrew Hospital Trustees, Leon C. Coblenz, Pres., Howard and Lexington Sts., let gen. contract and plumbing for \$1,000,000 hospital to M. A. Long Construction Co., Horn Bldg., Guilford Ave. and Fayette St.; fireproof, steel and concrete, brick walls, Indiana limestone trim, 7 stories, irregular, 155x155 ft., extreme dimensions, slag roof, steam heating, 300 beds; Jos. Evans Sperry, Archt., Calvert Bldg.; C. L. Reeder, Mech. Engr., 916 N. Charles St.\*

N. C., Statesville—Electric Supply & Construction Co., Inc., has electric work contract for Davis Hospital under construction; U. A. Astwalt, Contr.

Tex., Houston—City let contract for garage and autopsy building at Jefferson Davis Memorial Hospital; W. A. Dowdy, City Archt., Room 304 Central Fire and Police Station Bldg.\*

Va., Danville—Farley Plumbing Co., S. Union St., has plumbing contract at \$25,000 for \$225,000 Hughes Memorial Hospital; vacuum heating system, Fitzgerald Plumbing Co.; 410 Patton St., Heard & Chesterman, Archts., Masonic Temple Bldg.; C. M. Webster, Contr., Masonic Temple Bldg.\*

### Hotels and Apartments

Ark., Conway—H. L. Tyler has contract for 4-apartment building, on site of Mrs. Sam Heiliger's residence, Locust Ave., recently burned; William Van Valkenburgh, Archt.

Ark., Tuckerman—Mr. and Mrs. Smith let contract to E. W. McCollum for 50-room hotel.

D. C., Washington—Cafritz Construction Co., 1400 K St., N. W., erect 2-story, 14-apartment building, Buchanan St., between Illinois Ave. and Seventh St.

Fla., Coral Gables—Paul V. Matkin Co., Builders, Alhambra Plaza, starting construction program comprising several apartment houses and 50 residences. (See Machinery Wanted—Building Material.)

Fla., Fort Lauderdale—E. T. Dexter let contract to Mills & Norton for \$25,000 building; 2 stories, 1 apartment and 12 hotel rooms; Francis L. Areu, Archt.

Fla., Palmetto—J. H. Walton and E. E. Hardy let contract to Hart & Johnson, Fort Lauderdale, for \$35,000, 48x93 ft., 2-story; lobby, kitchen, porch and dining room on first floor, 20 sleeping rooms above; John M. Peterman, Archt.; Fort Lauderdale.

Fla., St. Petersburg—St. Petersburg Golf Development Co. let contract to Geo. A. Fuller Construction Co., 532 Ninth Ave., N., for \$400,000, 3-story, tile, 100-room hotel; hollow tile, interior tile, wood floors, ornamental terra cotta; Ritchie, Parsons & Taylor, Archts., 15 Ashburton St., Boston, Mass.; address proposals to John P. Stedman.\*

Fla., Tampa—Bailey-Erler Co. let contract to Erler Corp., Citizens Bank Bldg., for \$250,000, 7-story apartment building.

Fla., Tampa—Hotel Olive, S. J. Carnes, owner, let contract to Logan Brothers, Davis Island, for \$320,000, 10-story, steel and concrete addition; furnishings cost about \$45,000; M. Leo Elliott, Archt., Citizens Bank Bldg., Tampa.\*

Fla., Tampa—D. P. Davis Properties, 502 Franklin St., let contract to Island Construction Co., for \$750,000 apartment hotel on Davis Blvd., Davis Islands; 6 stories, red tile roof; on ground floor, lobbies, lounges, etc.; Martin L. Hampton, Miami, and Franklin O. Adams, Archts., Grand Theater Bldg., Tampa.\*

Fla., Winter Haven—Lake Region Hotel Co., H. B. Mabson, Pres., let contract to Seymour-Craig Co. for fireproof, hollow tile, stuccoed walls hotel building, Lake Ave. and N. Fifth St.; 3 storerooms on first floor, cost \$200,000 complete; B. C. Bonfoey, Archt., Tampa.\*

Ga., Albany—Shelverton Construction Co., Atlanta Trust Co. Bldg., Atlanta, let following sub-contracts in connection with \$326,000, 130-room with baths, reinforced concrete, hollow tile and brick walls New Albany Hotel: elevators, Haughton Elevator & Machine Co., Toledo, Ohio; metal doors, American Sheet Metal Works, 3500 S. Carrollton St., New Orleans, La.; millwork, Marshall Manufacturing Co., Rome; ornamental iron, Price-Evans Foundry Co., Anderson Ave., Chattanooga, Tenn.; wiring, Walker Electric & Plumbing Co., Bona-Allen Bldg.; plumbing and heating, Seckinger Bros. Co., Forsyth Bldg.; roofing, sheet metal work and ventilating system, C. A. McGinnis Co., 126 Krog St.; painting, T. M. Cannon, 572 Chestnut St.; plastering, Hancock & Butts; tile work, Blue Diamond Tile Co., Bona-Allen Bldg.; all Atlanta; material being furnished as follows: limestone, Clear Creek Quarries Co., Bloomington, Ill.; hollow tile, Oconee Tile Co., Milledgeville, through Hodges Builders' Supply Co., Albany; form lumber, W. A. Stokes and General Lumber Co., both Albany; reinforcing steel, Kalman Steel Co., Candler Bldg.; common brick, Chattanooga Brick Co., Chattanooga, Ga.; face brick, Keeling-Cassidy Brick Co., 234 Peachtree St., all Atlanta.\*

Mo., St. Louis—May Building & Investment Co., 808 Chestnut St., erect four 2-story, brick, 34x52 ft. tenements, 4604-6-10-18 Shenandoah St.; \$40,000; composition roof, steam heat; O. J. Popp, Archt., Arcade Bldg.; owner builds.

Mo., St. Louis—J. A. Sarles, 740 Thrush

St., erect \$10,000, 2-story, 33x58 ft. tenement, 4051-3 Marcus St.; gravel felt roof, hot water heat; H. Simon, Archt., 4046 Floris Place; owner builds.

Mo., St. Louis—E. Schneider, 4953 Neosho St., erect \$10,000, 2-story, brick, 37x50 ft. tenement, 3550-2 S. Spring St.; composition roof, hot air heat; E. J. A. Schneider, 5452A Gravois St., Builder and Archt.

Mo., St. Louis—P. F. Smith, 812 W. Oakland St., erect \$18,000, 2-story, brick, 113x34 ft. tenement, 4603-9 Cleveland St.; composition roof, steam heat; owner is Builder and Archt.

Mo., St. Louis—G. Theurles, 4508 Shenandoah St., let contract to Wm. S. Drozda Real Estate Co., 4006 Chouteau, for \$10,000, 2-story, brick, 37x59 ft. tenement, 4508 Shenandoah; tar and gravel roof, hot water heat; A. Schramm, Archt., Chemical Bldg.

Mo., St. Louis—Trade Realty & Building Co. erect eight 2-story, brick, 23x43 ft. tenements, 5105-9-11-15-19-23-27-29 St. Louis St.; composition roof, furnace heat; owner is Builder and Archt.

Mo., St. Louis—J. Brandendreit, 2312 S. 12th St., will erect \$12,000, 2-story, brick, 36x52 ft. tenement, 5306-8 Oriole St.; tile roof, hot air heat; Guarantee Construction Co., 700 Wainwright Bldg., Builder and Archt.

Mo., St. Louis—Mars Realty Co., International Life Bldg., erect three 2-story, brick, 26x38 ft. tenements, 5552-60 Hebert St.; composition roofs, steam heat, \$18,000; H. H. Simms, 4947 Buckingham, Builder and Archt.

Mo., St. Louis—L. Ploss, 4613 Carrie St., let contract to J. Bock, 5017 Garfield St., for \$10,000, 2-story, brick, 27x49 ft. tenement, 4613 Carrie St.; tile roof, steam heat; Nulty & Newman, Archts.

Mo., St. Louis—J. and W. Seates, 2528 W. St. Louis St., erect \$10,000, 2-story, brick, 33x48 ft. tenement, 5243-5 Finkman St.; composition roof, hot air heat; owner is Builder and Archt.

Mo., St. Louis—J. M. Vaughn, 398 Lucas St., erect 13 two-story, brick, 31x32 ft. tenements, 5202-44 Ashland St.; \$104,000, composition roof, steam heat; owner builds.

Mo., St. Louis—J. Vit, 4440 Minnesota St., let contract to Kloster & Co., 5215 S. Grand St., for \$13,000, 2-story, brick, 46x58 ft. tenement, 4509-11 S. Grand St.; gravel roof, furnace heat.

Mo., St. Louis—F. and E. Worman, 6875 Jennings, erect \$10,000, 2-story, 27x51 ft., brick tenement, 1054 Hornsby; asphalt roof, hot water heat; O. J. Boehmer, Archt., 3500 Palm St. owner builds.

Mo., St. Louis—Exermon Realty Co., 801 Chestnut St., erect \$10,000, 2-story, brick, 36x41 ft. tenement, 3919 California St.; tar and gravel roof, furnace heat; M. Bouleau, Archt., 819 Buder Bldg.; owner builds.

Mo., St. Louis—Joyner Realty Co., 5715 Delmar, let contract to Harrison Construction Co., 5715 Delmar, for \$50,000, 3-story, brick, 92x170 ft. tenement, 5904 Enright St.; composition roof, furnace heat; D. R. Harrison, Archt., 6033 Waterman St.

Mo., St. Louis—Lay Brothers Co., 2024 Alice St., erect two \$10,000, 2-story, brick, 44x44 ft. tenements, 5014 W. Florissant and 5471 Kingshighway; tile roof, furnace heat; owner builds.

Mo., St. Louis—Levy-Loomstein, 802 Chestnut St., erect \$10,000, 34x53 ft. brick, 2-story tenement, 1911-15 Semple St.; composition roof, furnace heat; owner is builder.

Mo., St. Louis—Missouri Realty & Construction Co., 6115 Page St., erect two 2-story, brick, 28x53 ft. tenements, 5876-8 Cote Brilliante; \$13,000; composition roof, furnace heat; owner builds.

Mo., St. Louis—E. C. Toeneboehm, 3703 Quincy St., erect \$10,000, 2-story, 34x52 ft. brick tenement, 5345 Quincy St.; tar and gravel roof, hot air heat; owner is Bldr. and Archt.

Mo., St. Louis—L. Scherer, 5025 S. Kingshighway, let contract to Hesse & McAlpine, 6737 Julian St., for \$18,000, 2-story, brick, 37x64 ft. tenement, 4924-6 Finkman St.; tar and gravel roof, steam heat; J. McAlpine, Archt., 6737 Julian St.

Mo., St. Louis—E. J. Schatz, 5219 Murdoch St., let contract to A. G. Geeling, 722 Chestnut St., for two \$10,000, 2-story, brick, 34x53 ft. tenements, 2139-43 Alfred St.; composition roof, steam heat; L. A. Walkins, Archt., 4100 Wyoming St.

Mo., St. Louis—E. C. Toeneboehm, 3703 Arkansas St., erect \$10,000, 2-story, brick, 34x49 ft. tenement, 3701-3 Oregon St.; tar

and gravel roof, hot air heat; owner is Bldr. and Archt.

Mo., St. Louis—G. W. Wackman, 4617 N. Market St., erect \$10,000, 2-story, brick, 34x52 ft. tenement, 4634 Garfield St.; tar and gravel roof, hot air heat; R. R. Rosemond, 5342 Quincy St., Bldr. and Archt.

N. C., Hickory—Electric Supply & Construction Co., Inc., Statesville, has contract for electrical work in \$305,000 hotel building for which Walter Kidde & Co., 140 Cedar St., New York, have general contract. (Reported incorrectly.)\*

Tenn., Chattanooga—Read House Co., Sam R. Read, 600 Vine St. let contract to George A. Fuller Co., Munsey Bldg., Washington, D. C., for erecting hotel on site of Reed House; Holabird & Roche, Archts., 1400 Monroe Bldg., Chicago, Ill.\*

Tex., Dallas—W. F. Gillespie, 500 Praetorian Bldg., let contract to E. F. Merrell, 6032 Goliad St., for \$35,000, 2-story, 57x105 ft., brick veneer, 16-apartment building, 4930 Ross St.

Tex., Dallas—A. F. Park, 218 Western Ideminity Bldg., erect \$14,000, 2-story, brick veneer, 16-room apartment house with day labor; J. C. Teague, Archt., 304 Southland Life Bldg.

Tex., Dallas—Mr. and Mrs. R. L. Stiff, 4226 Rawlins St., erecting \$18,000, 2-story, brick veneer, 14-room apartment building, 4200 block Rawlins St., North Dallas; W. Scott Dunne, Archt., Melba Bldg.

Tex., Dallas—Hauk & Minnis started work on \$50,000, 2-story, brick veneer, 8-apartment building, Rawlins and Knight Sts.

Tex., Galveston—Joe Varnell started work on \$15,000, 2-story, brick veneer, four 4-room apartment building, 708 Avenue J.

Tex., Galveston—Earl Champion, 1815 28th St., and Stephen C. Underwood erecting \$22,000, 2-story, brick veneer, 3-apartment building, S. W. cor. 21st St. and Avenue P, to be completed July 1; Johnson Brothers, Contrs., 3526 P $\frac{1}{2}$  St.

Tex., Houston—Damon Wells, Chronicle Bldg., let contract to W. E. Woodruff, Landon Bldg., for \$90,000, 4-story, hotel-apartment building, Milam and Pease Ave.; Walter Gray, Archt.\*

Tex., San Antonio—J. R. Hill, 407 $\frac{1}{2}$  N. Bishop St. erect \$135,000, 3-story and basement, brick, hollow tile, stone, steel and reinforced concrete apartment building with day labor; take bids for superstructure; John W. Westbrook, Archt., 407 $\frac{1}{2}$  N. Bishop Street.

Va., Richmond—Richmond Beneficial Insurance Co., 700 N. Second St., erecting 6 flats for colored.

### Miscellaneous

Fla., Tampa—Coliseum — Davis Island Coliseum Corp., 102 Lafayette St., C. F. Cullen, Pres., let contract to George Taylor, 102 E. Lafayette St., for \$450,000, 150x270 ft., hollow tile wooden trusses coliseum; plans and specifications by T. H. Eslick.\*

Ga., Atlanta—Clubhouse—Atlanta Athletic Club let contract to The Flagler Co., 34 Cone St., for \$400,000, 8-story, front 70x100 ft., rear 100x100 ft., fireproof, concrete frame, brick and tile walls clubhouse, Carnegie Way and Cone St.; hollow tile, interior tile, metal doors, hardwood and concrete floors, steel sash and trim, wire glass; H. M. Jackson & Co., Forsyth Bldg., heating; Sanitary Plumbing Co., 164 Edgewood Ave., plumbing; J. M. Clayton Co., 5 Cone St., electric work; Hertz, Reid & Adler, Archt., Candler Bldg.\*

S. C., Columbia—J. T. Dabbs, 1325 Main St., has contract at \$25,112, for 1-story and basement, brick and frame Forest Lake Country Club; hardwood floors, composition shingle roof, brick foundation; James B. Urquhart, Archt., Palmetto Bldg.\*

### Railway Stations, Sheds, Etc.

Tex., Lubbock—D. N. Leaverton has contract for depots, section houses, agents cottages and stock pens on Santa Fe railway line being built to New Mexico line from Doud; \$156,000.

### Schools

Ala., Anniston—Calhoun County Board of Education, Arthur Wellborn, Pres., authorized E. C. Whitney, principal and trustee of White Plains schools, to complete erection of school; \$13,000.

Ala., Atmore—High School Building Committee, George E. Cadman, Sec., will let

contract to T. H. Wainwright for high and public schools after plans are changed by State Department of Education, Montgomery.\*

Ala., Selma—Lutheran Synodical Conference let contract to West Point Iron Works, West Point, Ga., for \$40,000 building as first unit of 4 or 5 additional buildings.

Ala., Tuscaloosa—Phi Gamma Phi of University of Alabama started work on \$15,000, 2-story fraternity house on University Ave.; Delta Delta Sorority let contract to Earl Cline for \$15,000, 2-story fraternity house.

Ala., Tuscaloosa—Board of Education let contract to Skinner & Maxwell for remodeling and adding 13 rooms to High School building; \$100,000.\*

Fla., Sarasota—Sarasota County Board of Public Instruction, T. W. Yarbrough, Sup't, let contract to Monk & Higgison, at \$153,800, for Northside and Southside Elementary Schools; Spanish Renaissance type, hollow tile and stucco, 16 classrooms; M. Leo Elliott, Archt., Citizens Bank Bldg., Tampa and R. M. Hall Bldg., St. Petersburg.\*

Fla., Tampa—Hillsborough County Board of Public Instruction, W. D. F. Snipes, Sec., let contract to W. E. Rubush, 207 Franklin St., at \$26,513 for negro school and at \$49,000 for Seminole Heights school; Carl R. Couch, Archt., 606 Sorkans Ave., for negro, and F. N. Curtis, Archt., for Seminole Heights schools.\*

Fla., Tampa—Hillsborough County Board of Public Instruction, W. D. F. Snipes, Sec., let contract to W. E. Allman & Son, Inc., at \$26,633, for 8-room addition to Moody Heights school; Franklin O. Adams, Archt., Grand Theater Bldg.\*

Ga., Graymont—Summit-Emanuel County Institute erecting \$20,000 building; 6 rooms, auditorium to seat 1000; William W. Simons & Son, Archts., Augusta; C. S. Smith & Co., Contrs., Hazlehurst.

Ky., Ewing—Ewing Consolidated School Improvement Co. let contract to J. F. Hardymon, Maysville, at \$48,531, for 127x28 ft. school building; 16 classrooms, office, auditorium 44x86 ft., gymnasium 44x86 ft., lockers, showers, etc.

Mo., Springfield—Drury College, T. W. Nadel, Pres., let contract to George F. Hentschel for \$90,000 conservatory of music building; Ferrand & Fitch, Washington University, and Earl Hawkins & Co., McDaniel Bldg., both St. Louis, Archts.\*

Okla., Sayre—Board of Education let contract to A. F. Stewart Construction Co., 1st Natl. Bank Bldg., at \$43,500, for High School building; Butler Co., Archts., Oil Exchange Bldg.; both St. Louis, Archts.\*

S. C., Willington—De la Howe State School Board of Trustees, J. M. Nickles, Chmn., let contract to C. H. Van Ormer, Herald Bldg., Augusta, Ga., for 2-story addition; G. Lloyd Preacher & Co., Archts., Healy Bldg., Atlanta, Ga.\*

Tex., Brownfield—School Board, K. W. Howell, Pres., let contract to Thompson & Wingred at \$24,990 for 1-story, brick, tile and reinforced concrete, 54x134 ft. school building; reinforced concrete foundation, tar and gravel roof; Roswell Heating & Plumbing Co., Roswell, heating and plumbing; John L. Scott, Archt., Abilene.\*

Tex., Castroville—J. C. Dielmann Construction Co., 306 E. Commerce St., awarded contract at \$17,322, for 2-story, brick and concrete parochial school; Vollmer Electric Co., wiring at \$250; Chalkley Brothers, 214 E. Romana St., plumbing at \$598; Leo M. J. Dielmann, Archt., 306 E. Commerce St.; all San Antonio.

Tex., College Station—Agriculture & Mechanical College, W. B. Bizzell, Pres., erect \$75,000, brick, stone and reinforced concrete mess hall by day labor; Prof. H. N. June, Archt.

Tex., Eldorado—Board of Education let contract to Carter & Hall, San Angelo, for \$45,000, 2-story, brick and hollow tile high school building; E. L. Veale, Abilene, heating; Swartz & Hamberlin, Archts., San Angelo.\*

Tex., Hereford—Board of Trustees Hereford Independent School District, E. S. Ireland, Pres., let contract to George Parr, Amarillo, at \$110,868, for 3-story, brick and concrete school building; wood, concrete and magnestone flooring, tar and gravel roof, concrete foundation, hollow tile, metal ceilings, vaults, ventilators, ornamental terra cotta, 152x150 ft.; Wheatley Co., Amarillo, heating and plumbing at \$13,995; E. F. Rittenberry, Archt., 303 Blackburn Bldg., Amarillo.\*

Tex., Mexia—M. A. White, Contr., Dallas, has contract for additions to 2 schools and School Board will readvertise for this job; 12-room addition to Sumpter St. school, re-

roofing and remodeling present building at \$34,124; 4-classroom, domestic science and manual training addition to Dunbar at \$8200; C. H. Leinbach, Archt., Deere Bldg., Dallas.\*

Va., Appalachia—School Board let contract to J. H. O'Dell, Norton, at \$135,000 for High School building; 28 classrooms, offices, rest room, clinic, etc.; Clarence B. Kearfoot, Archt.; R. V. Arnold, Asso. Archt., both Bristol.\*

Va., Fort Myer Heights—Arlington County Board of Education let contract to T. T. Taylor Co., District National Bank Bldg., Washington, at \$53,996, for 8-classroom school building in Bingham Road near Columbia Pike.

Va., Galax—School Board let contract to B. C. Lineberry at \$35,600 for 1-story, brick, 116x134 ft. school building; composition roof, maple floors, concrete foundation, metal ceilings, steam heat; E. V. Long, Archt., Richmond; major items to be purchased include 700 auditorium seats and school desks for 6 rooms. Address D. S. Vass, Sec.-Treas. School Board.\*

Va., Richmond—School of Social Work & Public Health, H. H. Hibbs, Jr., Ph. D., Director, 17 N. Fifth St., acquired property, Franklin and Shafer Sts.; install new heating plant in main building, divide rooms on second and third floors, new plumbing and electric fixtures, repairs to woodwork and painting; stable in rear of property will be remodeled for gymnasium and assembly room; Charles M. Robinson & Co., Archts., Times-Dispatch Bldg.; Graham Construction Co., Contrs., Lyric Bldg.; Pemberton & Benson, plumbing and heating, 311 E. Main St.

### Stores

Ark., Pine Bluff—O. F. Tedstrom repairing building, 423 Main St.; \$15,000; work under supervision of Ed Cornish, 1806 Arch St., Little Rock.

Fla., New Port Richey—W. J. Morley and Frank A. Bowman, have plans by W. H. Carr, Clearwater, for 2-story, Spanish type business block, Boulevard and Missouri Ave.; Archt. will superintend work.

Fla., Okeechobee—E. Forest Withers let contract to George E. Harris, both West Palm Beach, for \$20,000 business block, N. Park St.; 3 stores each 16x60 ft., concrete floors, Spanish type.

Fla., Orlando—Orange Investment Co. let contract for 2 store buildings, S. Hughey St.

Fla., Palm Beach—Paris-Singer erecting \$200,000 building to be known as Vis-Singer; stores and shops on first floor, clubrooms and apartments on 2 upper floors.

Fla., Palm Beach—Harry Vought & Co., Inc., Contrs., 6 E. 46th St., New York, southern office P. O. Box 2113, Palm Beach, erecting series of stores, consists of 1, 2, 3, 4 and 5 stories and arcade; hollow tile with stucco finish; Ocean & Lake Realty Co., Paris Singer, Pres., owners; mason material and lumber, Lainhart & Potter, West Palm Beach; steel, L. Smith Steel Co., Inc., W. 15th St., Jacksonville; millwork, Flury & Crouch, South Palm Beach; Duo Sand Co., West Palm Beach, sand and gravel.

Fla., Sarasota—Phil Levy erecting 25x90 ft. brick and tile store on Victory Ave.

Fla., Tallahassee—Duvall Brothers, Atlanta, let contract to Childs Brothers for 1-story store on College Ave.

Fla., Tampa—Jacobo Sabin, 811 E. Palm Ave., let contract to W. E. Alman & Son, Rome and Drew Sts., for stores and apartment building.

Ga., Augusta—F. B. Carr, 112 Greene St., let contract to Palmer-Spivey Construction Co., 124 Eighth St., Augusta, and Charlotte, N. C., for \$45,000, 2-story, 62x127 ft., brick and steel, slow-burning construction mercantile building, Broad and 12th Sts.; tin roof, concrete foundation, cement and wood floors, plastered walls, metal ceilings, plate glass windows with copper trim; major items to be purchased include brick, cement, steel, lumber, millwork, plate glass; desire sub-contract bids on roofing and plate glass; Scroggs & Ewing, Archts., Lamar Bldg.\*

La., Shreveport—Hoyle Grocery Co. let contract to M. S. Ruby at \$25,000 for 1-story, brick and reinforced concrete, 80x30 ft. business building, Crockett and Marshall Sts.

Mo., St. Louis—F. Connell, 111 N. Seventh St., erect \$25,000, 2-story, 50x124 ft., salesroom, 3329 Washington St.; composition roof, steam heat; owner is Builder and Archt.

N. C., Charlotte—Zeke Johnston, 410 East Ave., let contract to McRee & Foard, 203 E. Fourth St., for 3-story and basement, \$40,000 store building, S. College St.; Louis H. Asbury, Archt., Realty Bldg.

N. C., Kinston—Thomas Harvey, Sr., let contract for 3-story, brick store building.

N. C., Kinston—Dr. R. H. Temple, 114 E. Peyton St., let contract for 2-story, brick, \$12,500 business building on Queen St.; 26-ft. frontage.

Tenn., Martin—M. D. Biggs, Contr., erect 2-story, brick building on site of structure recently burned.

Tenn., Memphis—Perel & Lowenstein, 168 S. Main St., let contract to F. J. Ozanna, Madison Ave. Bldg., for remodeling building, 144 S. Main St.; include new front with show windows, rebuilding; Dawkins Electric Co., 26 N. Second St., electrical equipment; Mee & Heisler, 260 Vance St., plumbing; State Heating Co., heating; Love Sprinkler Co., 63 S. Third St., sprinkler system; E. L. Harrison, Archt., Fidelity Bank Bldg.\*

Tenn., Memphis—Frank Rice let contract to B. W. Cocke & Son for remodeling building, S. E. cor. Beale Ave. and Mulberry St.; E. L. Harrison, Archt., Fidelity Bank Bldg.

Tex., Anson—John T. Pope let contract to J. Dyer, Stamford, for \$10,000, 1-story, brick, 60x80 ft. business building; David S. Castle Co., 26-31 Radford Bldg., Abilene.

Tex., Dallas—Sam Lobello, 202 N. Haskell St., erect \$18,000, 75x109 ft., 1-story, brick, stone and reinforced concrete business building with day labor; Sam Woerner & Co., Archts., 503 Central Bank Bldg.\*

Tex., Dallas—M. T. Brown, Jr., 125 S. Malborough St., erecting \$20,000, brick and hollow tile, English design store building, Eighth St. and Bishop Ave.; Germany & Swain, Archts. and Builders, 901 1/2 W. Jefferson St.

Tex., Dallas—M. T. Brown, 323 N. Bishop St., erecting \$17,000, 59x116 ft., 6-store building, 311-20 N. Bishop Ave., Oak Cliff.

Tex., Denton—J. L. Wright erecting \$15,000 business building, S. Elm St.

Tex., Franklin—L. A. Wilder started work on brick store building.

Tex., Fort Worth—Butcher & Sweeney, Contrs., 806 Taylor St., started remodeling and enlarging 2-story, brick building, 806 Taylor St.; \$12,000.

Tex., Houston—Dan A. Japhet, 704 Jefferson Ave., let contract to Don Hall, Cotton Exchange Bldg., for \$85,000, steel, concrete and brick, 125x150 ft. building, Lamar Ave. and Fannin St.; Barber Plumbing Co., 906 San Jacinto St.; plumbing; Barden Electric & Contracting Co., 111 Main St., electrical installation; A. C. Finn, Archt., Bankers Mortgage Bldg.

Tex., Lubbock—Morton J. Smith let contract to Rice Construction Co. for 2 store buildings and filling station, 13th and Avenue J.

Tex., Lubbock—H. W. Stanton and H. W. Bryan, let contract to J. B. Pryor for excavations and foundations for 6 brick store buildings.

Tex., San Antonio—Alamo Furniture Co. let contract to Charles Bryant at \$12,500 for remodeling Edwards Building, 136 W. Commerce Et.; Herbert S. Green, Archt., Alamo Bank Bldg.

Tex., San Antonio—F. M. Van Keurau, 450 Cooper St., let contract to Charles Bryant at \$10,000 for 1-story, brick and concrete store building, Goliad and Fountain Sts.; Will Noonan, Archt., Builders Exchange Bldg.\*

### Theaters

Fla., Stuart—J. C. Hancock let contract to F. M. Walton for \$100,000, fireproof, stucco, 95x75 ft. theater building to seat 1100; arcade connecting Osceola Ave. and Flagler Ave.\*

Fla., St. Petersburg—Anthony Shimko will erect 80x100 ft. Spanish-Moorish type, \$15,000 open air theater, 19th St. and Central Ave., seating capacity of 1250; \$15,000 for fixtures; Round & Avery, Archts.; owner will supervise work.\*

Tex., Lufkin—Steel Furniture Co., Grand Rapids, Mich., has contract for seating in theater building, for Lufkin Amusement Co.\*

Tex., Sinton—J. A. Talbert started work on \$42,000 theater building; front and arcade finished in tile. \$10,000 Marr & Colton organ; leased to P. A. Preddy.

### Warehouses

W. Va., Martinsburg—Interwoven Mills, Inc., soon start work on \$200,000, 4-story, reinforced steel and concrete storage building, First St. and Miller Ave.; 120x150 ft., steel sash and trim, wire glass, concrete foundation; major items to be purchased include: stone, cement, sand, steel sash, reinforcing steel, glass; Alexander Merchant, Archt., New Brunswick, N. J.; owner builds.

## MACHINERY, PROPOSALS AND SUPPLIES WANTED

**Automobile Accessories.**—Clifford F. Grene, Jacksonville, Fla.—Wants to represent manufacturers of automobile accessories, tube repair kits, rubber tires, tubes, etc.

**Boilers, etc.**—Brooks Supply Co., 790 Franklin St., Beaumont, Tex.—Wants oil field boilers, pipe and rotary drilling rigs in car load lots.

**Bridge.**—Sarasota County, Sarasota, Fla. See Construction News—Bridges, Culverts, Viaducts.

**Bridge.**—City of Tampa, Fla. See Construction News—Bridges, Culverts, Viaducts.

**Bridge.**—Louisiana Highway Comm., Baton Rouge, La. See Construction News—Bridges, Culverts, Viaducts.

**Brushwheels and Buffers.**—Duffin-Hunter Laboratory, San Antonio, Tex.—Wants names and addresses of manufacturers of dental and jewelry brushwheels and buffers.

**Building Equipment.**—City Council, P. C. Painter, City Mgr., Greensboro, N. C.—Bids until June 16 for office furniture, steel vault equipment, window shades and opera chairs for new municipal building; plans and specifications for steel vault equipment from Harry Barton, Archt., Jefferson Standard Bldg.; office furniture and opera chair specifications from office City Purchasing Agt., City Hall.

**Building Repairs.**—Treasury Department, Jas. A. Wetmore, Supvg. Archt., Washington, D. C.—Receives bids June 15 for reconstruction and repairs of skylights and roof of U. S. Postoffice, St. Louis.

**Building Material.**—Paul V. Matkin Co., Builders, Alhambra Plaza, Coral Gables, Fla.—Wants prices and information on building material for 50 residences and apartment houses.

**Bulkhead.**—City of Lake Worth, Fla., W. M. Hutschenreuter, Clerk.—Receives bids June 12 for bulkhead improvements; work consists of approximately 8300 lin. ft. of bulkhead wall and 100 cu. yds. base concrete along lake front; bids received on both gunite and concrete beam type of wall; Ivan H. Mann, City Engr.

**Caneway.**—City of Dallas, Tex.—See Construction News—Bridges, Culverts, Viaducts.

**Channel Iron (Rubber Tired).**—The H. L. Thomas Co., 505 Redwood St., Baltimore, Md.—Wants a quantity of 2-in. rubber tired channel iron for use on wagon wheels; state quantity able to furnish and price.

**Controller.**—U. S. Veterans Bureau, Washington, D. C.—Receives bids June 8 for controller, with resistance lamp for reducing 110 volt, alternating current.

**Cotton Compress.**—James L. Barrett, Wilson, N. C.—Wants prices on second-hand cotton compress; state age, condition, make, location and time of delivery.

**Cross-Arms and Cross-Arm Braces.**—See Pole Line Equipment.

**Crushers.**—See Quarry Equipment.

**Cypress Tanks.**—Kell-Smith Co., 218 Elm St., Tifton, Ga.—Prices on cypress tanks.

**Denim.**—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids June 12 for 100,000 yds. blue denim; delivery Philadelphia, Pa. Sch. 660.

**Derricks.**—See Quarry Equipment.

**Dishwashing Machines.**—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids June 23 for dishwashing machines; f.o.b. point of shipment.

**Drainage Pumping Plant.**—F. Deane Duff, Sec., Sugarland Drainage Dist., Clewiston, Fla.—Receives bids June 16 for complete oil engine driven drainage pumping plant, capacity 180,000 gal. per min., against head of 6-ft.

**Dredges (Steel).**—Mason & Fonda, Contr., Bradenton, Fla.—Wants data and prices on modern steel dredges about 10 to 12-in. size, suitable for filling in low lands in the shoal Florida waterways; first class outfit.

**Drugs.**—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids June 8 for drugs; prices f. o. b. point of shipment.

**Dump Cars.**—See Quarry Equipment.

**Electric Light System.**—Bryson City, N. C., Horace Kephart, Chrmn. Bd. of Aldermen—Receives bids June 8 for clearing right of way, furnishing and erecting poles; 120, 35-ft. poles, 32 acres of clearing; forty 40-ft. poles; 5 miles of wire, 3 phase, 23,000 volt transmission line.

**Electric Transmission Line.**—M. N. Lyon,

Purcellville, Va.—Wants copper or aluminum wire, insulators, poles, cross arms, pins, pole line hardware, etc.

**Elevator (Grain).**—Harris County Houston Ship Channel Navigation Dist., B. C. Allin, Sec., Houston, Tex.—Receives bids June 25 for concrete elevator with steel shipping galleries, located on north side of turning basin; plans on file or with John S. Metcalf Co., 108 S. LaSalle St., Chicago, Ill.

**Elevator Shaft, etc.**—Board of Awards, F. A. Dolfield, Register, Baltimore, Md.—Receives bids June 10 for alterations and elevator shaft in main building, Bay View; C. H. Osborne, Inspector of Buildings.

**Engine (Hoisting).**—J. F. Foster (Mch. Dealer), 294 Washington St., Boston, Mass.—Wants 75 to 100 h.p. electric hoisting engine with 3 drums, current 3 phase, 60 cycle, 550 volts, A. C.

**Electric Light Plant.**—See Power Plant.

**Finger Cots.**—U. S. Marine Bureau, Supply Division, Washington, D. C.—Receives bids June 6 for 500 doz. medium size finger cots.

**Foundry Equipment.**—J. W. Cain & Co., Second National Bank Bldg., Houston, Tex.—Wants data and information on both new and second hand foundry equipment used in connection with 3-ton electric steel foundry.

**Furniture.**—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids June 25 for furniture for one year, ending June 30.

**Furniture.**—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids June 22 for chairs, chifforiers, costumers, dressing tables, writing desks, settees, sideboards, etc.; prices f.o.b. shipping point.

**Furniture (Wood and Steel).**—Ouachita Parish Police Jury, Monroe, La.—Receives bids June 10 for wood and steel furniture and equipment for new court house; J. W. Smith, Archt.

**Generators.**—See Power Plant.

**Grading.**—City of Dickson, Tenn. See Construction News—Road and Street Construction.

**Gum Rubber.**—Clifford F. Grene, Jacksonville, Fla.—Wants to correspond with manufacturers of gum rubber and tire cement.

**Heaters (Warm Air).**—Thos. V. Vaughn Manufacturing Co., E. E. Dryden, Mgr., 2028 Fourth Ave., Birmingham, Ala.—Wants to contract for manufacture of the Johnson Warm Air Heater in Baltimore, Md.

**Insulators.**—See Pole Line Equipment.

**Iron, Steel, etc.**—Panama Canal, A. L. Flint, General Purchasing Officer, Washington, D. C.—Receives bids June 3 to furnish galvanized pure iron, copper-bearing iron or copper bearing steel sheets; blank forms and information (Circular 1673) on application to offices of Panama Canal; Asst. Purchasing Agents at Fort Mason, San Francisco Cal.

**Jetty Repairs.**—U. S. Engineer Office, Providence, R. I.—Receives bids June 26 for repairing east jetty at entrance to Narragansett Harbor, Mass.

**Laboratory Equipment.**—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids June 25 for laboratory supplies to be furnished as required during fiscal year ending June 30, 1926.

**Laundry Machinery.**—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids June 10 for laundry machinery.

**Limestone.**—Dist. Commrs., Room 509 Dist. Bldg., Washington, D. C.—Receives bids June 17 for limestone doors and window sills, chimney caps, etc., for use at Home for Feeble Minded, Laurel, Md.

**Machine Tools.**—Bureau of Supplies and Accounts, Navy Dept., Washington, D. C.—Receives bids June 9 for delivering electric drills, planer, boring and turning mill to Navy Yard.

**Magnesia.**—Bureau of Supplies and Accounts, Navy Dept., Washington, D. C.—Receives bids June 9 to deliver block magnesia to navy yard at Charleston, S. C.

**Meters.**—See Pole Line Equipment.

**Miscellaneous Supplies.**—Geo. E. Herck, Moore Bldg., Charleston, W. Va.—Wants data and catalogs on miscellaneous supplies for country estate.

**Miscellaneous Supplies.**—Panama Canal, A. L. Flint, General Purchasing Officer, Washington, D. C.—Receives bids June 23 for cup

greases, lubricant (gear, chain and wire rope), car and locomotive engine oil and cotton waste. Blank forms and information (Circular 1674) on application to offices of Panama Canal; Asst. Purchasing Agents at 24 State St., New York; 611 Gravier St., New Orleans, La.; Fort Mason, San Francisco, Cal.; also U. S. Engineer offices throughout country.

**Miscellaneous Supplies.**—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids June 25 for miscellaneous supplies as required during fiscal year ending June 30, 1926.

**Motor.**—R. S. Armstrong & Bro. Co., 676 Marietta St., Atlanta, Ga.—Wants 150 h.p. motor, 3 phase, 60 cycle, 550 volt, 900 r.p.m.

**Motor.**—Hackley Morrison Co., Inc. (Mch. Dealer), 1708 Lewis St., Richmond, Va.—Wants 25 h.p., 3 phase, 60 cycle, type K.T., G.E. motor, with starter, but without base or pulley.

**Oil Burners.**—W. E. Toler, Pawnee, Okla.—Wants data and prices on oil burners for domestic uses; correspond with manufacturers.

**Oil Burning Equipment.**—Clay Products Co., West Palm Beach, Fla.—Wants prices on oil burners and equipment for use in burning clay in kilns.

**Ornamental Concrete Forms.**—G. R. Parker, Wadesboro, N. C.—Wants iron forms for making cement flower pots and urns.

**Paper Containers.**—Caswell Cotton Mills, Inc., Kinston, N. C.—Wants correspondence with manufacturers of paper and fiber tubes similar to tubes being used by firms making belt preservatives, for the purpose of putting up a round stick belt preservative.

**Paper (Typewriter).**—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids June 4 for about 25,000 lbs. typewriter paper in various colors and weights; prices f.o.b. point of shipment.

**Pipe and Specials.**—District Commrs., Room 509 District Bldg., Washington, D. C.—Receives bids June 11 to furnish and deliver 3025 cast iron coated water pipe and 268 tons case iron coated water pipe specials.

**Pipe Threading and Cutting Machine, etc.**—Marine Corps, Quartermaster's Department, Washington, D. C.—Receives bids June 11 for portable power-driven pipe threading and cutting machine, power-driven threading device, and 1 pipe cutter; delivery Quantico, Va.; blank forms and information (Sch. 605) on application.

**Pole Line Equipment.**—Wilson-Hock Co. (Mch. Dealers) City Point, Va.—Wants new or slightly used following equipment to be used on 3 phase, 60 cycle, 2200 volt and 3 phase, 60 cycle, 6600 volt distribution system; Four hundred and fifty of 25-ft., twenty-five of 30-ft., twenty-five of 35-ft., and ten of 40-ft. poles, class C for Central Virginia delivery, chestnut preferred; three hundred and fifty of 3 or 4 pin spaced for 6600 volt line, one hundred 6 pin and fifty 2 pin cross arms; 2000 standard locust pins and 500 locust bracket pins; 1500 standard porcelain insulators, suitable for 6600 volts to carry No. 6 bare wire; 1000 standard glass insulators for 2200 volt line; 1000 galvanized cross arm braces; 21 mi. of No. 6 bare copper wire, 4 mi. each of No. 6, 8 and 10 weatherproof wire; 75 single phase, 5 ampere and 25 single phase, 10 ampere 110 volt house type meters; 500 galvanized through bolts, size 1/4x20-in.; one hundred fifty 3 wire, and one hundred fifty 2 wire secondary pole type brackets with porcelain insulators; six 15 k.v.a., six 20 k.v.a., four 25 k.v.a. single phase, 60 cycle, 6600 volt high tension, 2200 volt low tension transformers with hanger irons and fuse blocks.

**Power Plant.**—Three Rivers Glass Co., Chas. R. Tips, Sec., San Antonio, Tex.—Wants data and prices on power plant, including 150 h.p. gas engine, generators, etc., want system in duplicate, also to provide electric lights for town of Three Rivers, about 1000 population.

**Printing, etc.**—Dept. of the Interior, Washington, D. C.—Receives bids June 4 for photo-lithographing and printing 3000 copies each of maps of public land, States and insular possessions prepared in General Land Office, during fiscal year ending June 30, 1926.

**Pumps.**—Hackley Morrison Co., Inc. (Mch. Dealer), 1708 Lewis St., Richmond, Va.—Wants 4 or 5-in. centrifugal sand pump; one centrifugal pump motor driven connect coupled pump, capacity 60 g.p.m. against a

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

head of 40-ft.; motor to be 110 volt, A. C. single cycle, single phase.

**Pumps (Power).** — Kell-Smith Co., 318 Elm St., Tifton, Ga.—Prices on power pumps for irrigating purposes.

**Quarry Equipment.** — E. Quinerly, Box 519, Greenville, N. C.—Wants prices on new and second-hand crushers, derrick, dump cars for quarry to supply crushed granite commercially.

**Ready-Cut Houses.** — W. F. Harper, care of Farmers Bank & Trust Co., Lancaster, S. C.—Wants to correspond with manufacturers of ready made houses.

**Reservoir.** — City of Macon, Ga., Jno. L. Anderson, Chrm, Board of Water Commrs.—Receives bids June 30 for constructing Southside reservoir; work includes 3,000,000 gal. covered reservoir of concrete masonry with valves and piping; 2750 cu. yds. of reinforced concrete and 5800 cu. yds. of excavation; Fuller & McClintock, Engrs., 170 Broadway, New York.

**Retaining Wall, etc.** — City Coms., W. B. Williams, Mgr., Sanford Fla.—Receives bids June 15 for retaining wall and hydraulic fill in East Side Bulkhead Dist., approximately quantities are: 2000 cu. yds. concrete; 377,000 lbs. reinforcing bars; 325,000 cu. yds. sand fill; Fred T. Williams, Engr.

**Road.** — Pasquotank County, Elizabeth City, N. C.—See Construction News—Roads and Street Construction.

**Road.** — State Highway Comm., Montgomery, Ala. See Construction News—Road and Street Construction.

**Road.** — State Highway Comm., Austin, Tex.—Will build 3 roads. See Construction News—Road and Street Construction.

**Road.** — Coryell County, Gatesville, Tex.—See Construction News—Road and Street Construction.

**Road.** — St. Francois County, Farmington, Mo.—See Construction News—Road and Street Construction.

**Road.** — Charleston County, Charleston, S. C. See Construction News—Road and Street Construction.

**Road.** — Allen Parish, Oberlin, La. See Construction News—Road and Street Construction.

**Road Improvement.** — Carteret County, Beaufort, N. C. See Construction News—Road and Street Construction.

**Road.** — Okaloosa County, Chestview, Fla., will build 3 roads. See Construction News—Road and Street Construction.

**Road.** — Washington County, Abingdon, Va., will build and improve 6 roads. See Construction News—Road and Street Construction.

**Road.** — Brewster County, Alpine, Tex.—See Construction News—Road and Street Construction.

**Road.** — Board of Public Service, St. Louis, Mo.—See Construction News—Road and Street Construction.

**Roll Mill.** — North Georgia Marble Products Co., Whitestone, Ga.—Wants prices on No. 2 Duplex Ring roll mill, good second-hand condition.

**Sawmill.** — Chas. L. Jones, Buick Realty Co., 114 E. Ft. King Ave., Ocala, Fla.—Wants small sawmill to cut timber at Buick City subdivision.

**Seating.** — W. C. Johnson, Critz, Va.—Wants prices on seats for church.

**Screen.** — Three Rivers Glass Co., Chas. R. Tips, Sec., San Antonio, Tex.—Wants small power operated screen for screening sand.

**Sewers.** — See Water Works and Sewers.

**Sewer System.** — City of Baltimore, Md. Mayor Howard W. Jackson, Pres. Board of Awards.—Receives bids June 10 for lateral sanitary sewers in District H-6-2, Sanitary Contract No. 218; 30,300 ft. of 8-in. vitrified pipe sewer; 11,900 ft. of 6-in. and 8-in. vitrified house connections; 1100 vertical ft. of standard manholes; Bernard L. Crozier, Highways Engr.

**Sewerage Disposal Plants.** — Geo. E. Herck, Moore Bldg., Charleston, W. Va.—Wants data and prices on sewerage disposal plants.

**Sewers.** — County Commrs., A. E. Walden, Chf. Engr., Metropolitan District, Towson, Md.—Receives bids June 22 for construction of sewers and appurtenances in Catonsville, Md.; 7430 ft. of 6-in., 24,315 ft. of 8-in., 2675 ft. of 10-in., 4235 ft. of 15-in., 665 ft. of 18-in. terra cotta sewer; 20,070 ft. of 6-in. terra cotta house connections; 122 manholes; 2900 cu. yds. rock excavation; 500 ft. of 4-in. and 1500 ft. of 6-in. tile underdrains; 250 Y-branches on 6-in. pipe, 705 Y-branches on 8-in. pipe, 50 Y-branches on 10-in. pipe, 45 Y-branches on 15-in. pipe, 6 Y-branches on

## CONSTRUCTION DEPARTMENT

## Manufacturers Record

June 11 for 1000 ash, metal, dark finish trays.

**Trucks (Dry Kiln).** — R. V. Rich, Dickson Bldg., Norfolk, Va.—Wants 25 second-hand, standard dry kiln trucks, 6-ft. with 10-in. wheels; state condition.

**Water Works.** — Bureau of Yards & Docks Navy Dept., Washington, D. C.—Receives bids June 17th for addition to water system at Naval Observatory. Specifications 5104.

**Water Works.** — City of Baltimore, Md. Mayor Howard W. Jackson, Pres.—Will receive bids June 10 for furnishing and erecting superstructure of buildings for additions to Montebello filters; specifications, etc., from V. Bernard Siems, Water Engr., Room 205 City Hall.

**Underpass.** — City of Baton Rouge, La. See Construction News—Bridges, Culverts, Viaducts.

**Water Works.** — Water Coms., H. W. Perry, Supt., Greenville, S. C.—Receives bids June 24 to furnish and lay 30-in. gravity pipe line, cast iron, lock joint reinforced concrete or lock bar steel 18 mi. long; 24-in. line 8000 ft. long; also earth or concrete dam 760 ft. high, 140 ft. deep, content of earth dam 600,000 cu. yds. and concrete dam 71,500 cu. yds.; Ludlow Engineers, Engr., Winston-Salem, N. C.

**Water Works and Sewers.** — Board of Bond Trustees, DeLand, Fla.—Receives bids July 1 to furnish material and construct water works improvements and storm sewer systems; work includes furnishing material, machinery and equipment to construct approximately 8½ miles of sanitary sewers, 6 to 12-in., one settling tank, sewage pumping station; 9½ miles of 6 to 10-in. water mains with specials, deep well pumps and pump house, deep well and tower and tank; J. B. McCrary Engineering Corp., Engrs., Atlanta, Ga.

**Water Works System.** — Three Rivers Glass Co., Chas. R. Tips, Sec., San Antonio, Tex.—Wants data and prices on water works system for town of Three Rivers, about 1000 persons; equipment includes pipe, fire hydrants, 50,000 gal. tank and tower, etc.

**Water Supply Machinery.** — Geo. E. Herck, Moore Bldg., Charleston, W. Va.—Wants data and catalogs on water supply machinery.

**Welding Supplies, etc.** — Welding & Metal Trades Supplies, Ltd., 1530 Hastings St., E., Vancouver, B. C.—Wants to represent manufacturers of supplies for welders, blacksmiths, foundrymen, loggers, shipyards, machinists and miners.

**Wire.** — See Pole Line Equipment.

**Wire Screen Cloth.** — Kell-Smith Co., 318 Elm St., Tifton, Ga.—Prices on wire screen cloth suitable for spark arresters, also copper window screen cloth.

**Woodworking Machinery.** — Liberty Pin Co., Roanoke, Va.—Wants prices and data on machinery to make insulating pins.

**Woodworking Machinery.** — U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids June 8 for New Junior "30" woodworker, complete with attachments.

**Woodworking Tools.** — R. P. Johnson, (Mchly. Dealers), Wytheville, Va.—Dealers prices on second hand or rebuilt 24x6 in. four side planer and matcher.

**X-Ray Apparatus.** — U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids June 6 for interrupterless X-ray apparatus; complete stereoscope; prices f.o.b. point of shipment.

## Trade Literature

### Barrett Company Roofing Series.

"Volume I: Flat Roof Specifications," the first of a series of five books to be issued by the Barrett Company, 40 Rector Street, New York, N. Y., is a finely printed publication with text and sixteen blueprints complete as relating to its subject. These books will form what is called "Architects and Engineers Built-up Roofing Reference Series," and they will doubtless be heartily and widely appreciated by architects, engineers and contractors for the highly useful and informative matter they contain, as evidenced by the initial number. Several earnest letters of appreciation have already been received by the company with reference to the first book.

**Galvanized Sheets for Locust Plague.**

The American Sheet and Tin Plate Company, Frick Building, Pittsburgh, Pa., have issued an illustrated circular describing the use of Apollo galvanized sheets to combat the plague of locusts in the Argentine. It is stated that the use of these sheets proved unique and effective, large mounds of locusts being gathered and destroyed by fire or by chemicals.

**Southern Pine Folder.**

The Southern Pine Association, New Orleans, La., has issued an illustrated folder telling about how the Association "has taken the mystery out of lumber buying." It is stated that every piece is grade-marked and trade-marked so that the user may know the Southern pine he buys. The folder is illustrated.

**A Fine Calendar.**

The Atlantic Bridge Company, engineers and contractors of Roanoke, Va., and Charlotte, N. C., have issued a large and handsome calendar in hanger form and illustrated with pictures of some of the steel and concrete bridges erected by the firm. The calendar is printed in three colors and is artistic as well as attractive.

**Chatillon Booklet on Helical Springs.**

About helical springs and containing some notes on their design, manufacture and performance has been issued by John Chatillon & Sons, New York, N. Y., who reprint the contents from "Machinery" by permission. The booklet is illustrated with pictures and diagrams. The contents were written by John W. Rockefeller, Jr., manager of the spring division in the firm's plant.

## INDUSTRIAL NEWS OF INTEREST

Items of news about industrial, railroad or financial interests, building operations, construction work, municipal improvements, or the sale of machinery or the letting of contracts in the South or Southwest, are invited from our readers whether they are advertisers, or subscribers or not. We invite information of this character from readers in the North and West about their Southern business operations, as well as from Southern readers. News of value will be published just as readily when from non-advertisers as from advertisers.

**Milburn Cutting and Welding Torch.**

The Milburn low-pressure combination cutting and welding torch, which is manufactured by the Alexander Milburn Company, 1416-1428 W. Baltimore St., Baltimore, Md., will operate on either low pressure or high pressure gas with equal efficiency. It is especially constructed to operate with low pressure acetylene gas, city gas, or hydrogen. It is excellent for use with a low pressure acetylene generator. It is further stated by the manufacturers that it is very efficient and that it utilizes the highly specialized and standardized parts of their cutting and welding torches; also that it insures correct and intimate mixture of oxygen and acetylene, resulting in "super-mixing" and non-flashback qualities. This torch is adapted to perform welding as well as cutting work by the mere interchange of tips.

**A Distinctive Welding Generator.**

The electric Arc Cutting and Welding Co., 152-158 Jelliff Ave., Newark, N. J., have developed a new welding generator which is claimed to possess distinctive characteristics as follows: It gives direct current and alternating current so that either can be used when most desirable. For instance, spot or tack welding, semi-arc, nickel flash processes of thin cast iron, general cast iron and malleable iron work are best welded with alternating current and provision is therefore made for such alternating current welding. Users who like direct current may

**Business Management Methods.**

"Management Methods, Number Two" is the second of a series of booklets published by the Metropolitan Life Insurance Co. for the benefit of group insurance policy holders. It sets forth various elements which should be considered in establishing sales quotas and the actual procedures for establishing sales quotas of a large automobile company and the Westinghouse Electric & Manufacturing Co., are described. The method of compiling sales quotas of a large office equipment company is also presented. The first booklet published was entitled "Reducing Losses from Obsolete Material."

**International Filter Co. Bulletin.**

The International Filter Co., manufacturers of water softeners and filters, 333 West 25th Place, Chicago, Ill., have just published Bulletin No. 2002, which is explanatory of "How a Water Analysis Tells the Quality of Ice You Make." It is a brief, yet thorough, discussion concerning the effect of various impurities in water upon the quality of ice which can be made from it. It also explains what treatment can and cannot accomplish. This bulletin is a technical publication and it is copyrighted.

**Booklet on Arc Welding.**

A resume of the uses and value of automatic arc welding, together with a description of the welding apparatus and generating equipment used, is given in a bulletin bearing the number 48937.1 and entitled "Automatic Arc Welding," recently issued by the General Electric Company. This is an attractive 20-page, paper bound booklet, well illustrated by photographs of equipment and actual applications.

account shows that the net surplus on March 31, 1925, was \$51,199,324. The total assets shown by the consolidated general balance sheet are \$226,612,936.

**Office Moved.**

C. Frank Galliher, Architect, Tampa, Fla., has moved his office from 833 South Dakota Ave., to Suite 1, J. Q. B. Building, 105½ Zach Street.

**Jenkins Cracking Process Ordered.**

The Kanotex Refining Co., Arkansas City, Kan., have contracted with the Graver Corporation, East Chicago, Ind., for a 1000 barrel Standard Unit Jenkins Cracking Process to take care of their present requirements.

**Southern Office Opened.**

The Anchor Fireproofing Co., of Detroit and New York, has opened its Southern office at 206 Haas-Howell Building, Atlanta, Ga. The company specializes in furnishing and erecting interior gypsum and tile partitions.

**New Welding Set.**

A new engine-driven welding set has recently been added to the General Electric Company's line of welding equipment. The outfit consists of a standard WD-12 welding generator driven by a Buda 4-cylinder engine of 22½ rated horsepower, all mounted on wooden skids to facilitate moving from place to place. The outfit is marketed complete with all accessories and ready for use and it should be of value in locomotive repair work, in the construction of pipe lines and tanks and in repairs in oil fields, in ship repairs, or in any industrial plant or on construction jobs where electric power is not available.

**First Casting Made of American Clay.**

According to a press report that appeared recently in the Macon Telegraph the first casting made from American clay was exhibited at the Southern Exposition which was held in New York from May 11 to May 23, inclusive. This casting is a piece of bric-a-brac in the form of a slipper and it was made of clay from a Georgia mine. It was sent to E. Y. Mallary, superintendent of the Georgia Kaolin Co. several years ago by a German ceramic engineer whom he supplied with a particular quality of clay which he had vainly sought elsewhere. The company with which that engineer was connected has since then continued to regularly receive car lots of this clay which it uses in making chinaware for dining car service and for dresser ornaments.

**Westinghouse Electric & Mfg. Report.**

In the annual report of the Westinghouse Electric & Manufacturing Co. covering the fiscal year ended March 31, 1925, Gen. Guy E. Tripp, Chairman, says that major changes were made during the year in the arrangement of manufacturing facilities with the ultimate view of retaining at East Pittsburgh, Pa., mainly the manufacture of heavy machinery such as electric locomotives, large generators, large motors, etc. Certain important lines of product were entirely redesigned, notably steam turbines and large circuit breakers, and it is believed that the manufacturing facilities of the company are now better arranged and that the designs of the company's products are now better adapted to meet future requirements than ever before. The income account shows that the gross earnings for the year were \$157,880,292, as compared with \$154,412,918 in the next preceding year and that the net income was \$15,324,364. The profit and loss

**Encouragement for Industries at New Orleans.**

An address delivered at the members council of the Association of Commerce, New Orleans, La., on May 14 by R. S. Hecht, president of the Board of Commissioners of that port, has been published in pamphlet form with the title "The Truth About Canal and Port Policies for the Port of New Orleans." After mentioning plants already established there by the Lukens Steel Co., the International Harvester Co., and the Phoenix Portland Cement Co., the latter now being erected, Mr. Hecht said that the establishment of another large industry would soon be announced. Referring extensively to criticisms of the policies of the Port Commissioners by private land owners, Mr. Hecht declared that the Board would stick to its declaration of "Equal opportunities to all; special privileges to none."

**Equipment of Hale's Bar Power Plant.**

The Green Fuel Economizer Co., of Beacon, N. Y., in addition to their air heater at the Hale's Bar Power Plant, also have supplied the cast iron economizers and forced and induced draft fans.

**Change of Ownership Announced.**

The North Carolina Amiesite and Stone Co., Hendersonville, N. C., has purchased Valentine & Co., formerly operated by Clarke & Wilkins, and now operates the Balfour quarries, providing crushed stone, building stone, stone screenings, concrete sand, etc. Frank S. Pritchett is general manager.

**Webster Manufacturing Co. Opens New Branch.**

A branch sales office has been opened at 811 Magee Building, Pittsburgh, Pa., by the Webster Manufacturing Co. of Chicago, Ill., builders of mechanical material handling equipment. This new branch office is in the charge of E. E. Landahl, who has been associated with the company for the last thirteen years.

**Manager Appointed.**

Malcolm D. Ainsworth has been appointed manager of the Macon Chamber of Commerce, Macon, Ga., succeeding F. Roger Miller, who has become manager of the Asheville, N. C. Chamber of Commerce. Before assuming the duties of his new position Mr. Ainsworth was managing editor of the Macon Telegraph.

**Austin Company Receives Three Contracts.**

Several building contracts have lately been awarded to the Austin Company, of Cleveland, Ohio. They include a new plant for the G. A. Gray Company, manufacturers of steel planers, Cincinnati, Ohio; a new unit to the plant of the Russell-Burdell and Ward Co., manufacturers of bolts, nuts and rivets, Port Chester, N. Y.; and a new unit for the plant of the Delta Star Electric Co., manufacturers of electric equipment, Chicago, Ill.

**Facts About Milwaukee.**

"Greater Milwaukee—Facts and Figures—1925" an attractive brochure issued by the Milwaukee Journal, may be recommended as a sample of the kind of literature which should be issued by every state, city and community, North or South. The pamphlet consists of 88 pages, attractively bound in heavy paper, of a grayish-blue tint, and the contents are limited to articles and figures of informative value on the city.

In general, the information is divided into such subjects as Industrial, Building, Financial, Agricultural and Dairying, Population, Milwaukee a Lake Port, Public Utilities, State and Municipal Institutions and General, with a Foreword of a historical nature and a conclusion giving statistics of the Milwaukee Journal. "City's Products Near Billion-Dollar Mark" is the title of an article telling of the manufacturing situation, with comment on the jobbing and wholesale trades, metal, textile and chemical products, and so on. "Fifty Millions New Building Outlook for 1925" is another title, with wide information on real estate and construction conditions. The grain trade is described, and livestock production in Wisconsin, with the wages of farm labor. Schools and libraries are pictured, and "the zoo." Election statistics are given, roads and highways of the state, county and city are summarized; licenses issued by the city clerk in 1924 are divided into separate subjects. Even this brief description will give an idea of the range and completeness of the information set forth in the pamphlet.

**Sewage Disposal for Outlying Districts.**

The San-Equip septic tank is a product of the Chemical Toilet Corporation, 801-811 Free St., Syracuse, N. Y., and it is stated that by its use plumbing dealers are now able to give complete sewage disposal service in unsewered sections. Simply stated, the septic process is a digestion of sewage by which solids are eliminated and final disposal is simplified. The treated sewage is to be disposed of by soil filter or by dry well and—when permissible—by streams. The tank is made of 16 gauge copper alloy iron, covered with rust proof enamel.

**Sale of Navy Surplus to be Held.**

A sale of navy surplus and surveyed material by public auction is announced to take place at the Philadelphia Navy Yard on June 17, the sale starting at 10 o'clock A. M. The sale includes a large quantity of ferrous and non-ferrous metals, 50 tons of old boiler and condenser tubes, over 2600 airplane instruments, a quantity of lumber, leather belting, musical instruments, coffee urns, hand and machine tools, electrical material, hardware and pipe fittings, furniture, several launch and dory hulls, a steamer and a cutter, etc. Further particulars will be found in an advertisement which appears elsewhere in this issue.

**Office in New Location.**

American Creosote Works, Inc., New Orleans, La., and Savannah Creosoting Co., Inc., Savannah, Ga., have announced that, dating from June 1, their eastern and foreign sales office will be located at 1728 Whitehall Building, New York, N. Y., under the charge of Stanley H. Rose, manager of sales.

**Mueller Company Building Big Factory.**

The Mueller Company, manufacturers of plumbing, water and gas brass goods, Decatur, Ill., have announced that they will build there a factory for the manufacture of vitreous ware. This will be a one-story brick building with roof of the saw-tooth type. It will cover an area of 536 feet by 201 feet and it is proposed to have it com-

pleted ready for use in the fall. It will be devoted to the production of lavatory and closet bowls, and also other vitreous ware accessories to go with brass fittings manufactured by the company in their present factory. Work has begun on the site immediately south of the city. Eventually, but by no means soon, the company may concentrate there all of their activities which are now in the city itself. The company already employ 1600 people.

**National Power and Light Report.**

The 1924 annual report of the National Power & Light Co. shows gross earnings for subsidiaries of \$22,886,444, an increase of 9½ per cent, and net earnings of \$8,063,330, an increase of 15 per cent. After the deduction of all interest charges and preferred dividends and the appropriation of \$1,978,600 for renewals and replacements, (depreciation), by the subsidiary companies, the balance applicable for interest on National Power & Light Co. income bonds, and dividends on both preferred and common stock was \$2,841,530. Among the subsidiaries are the Birmingham Electric Co., Arkansas Central Power Co., Houston Lighting & Power Co., Memphis Power & Light Co. and others in the South.

**E. D. Bancroft.**

Eben Draper Bancroft, vice-president and director of the Draper Corporation, manufacturers of textile machinery, Hopedale, Mass., who died on April 6, entered the employ of E. D. & G. Draper, in 1864, according to a memorial publication just issued. Several years later he conducted much of the correspondence of Geo. Draper & Sons, selling agents for the several industries at Hopedale, and in 1896 when they were consolidated into the Draper Corporation, he became purchasing agent. Through the correspondence his name became widely known to mill managers of the seventies and the eighties. He retired as purchasing agent five years ago. Mr. Bancroft was a native of Hopedale, the eldest son of Joseph B. Bancroft, one of the pioneers of the Hopedale industries.

**Southern Cotton Oil Company of Louisiana.**

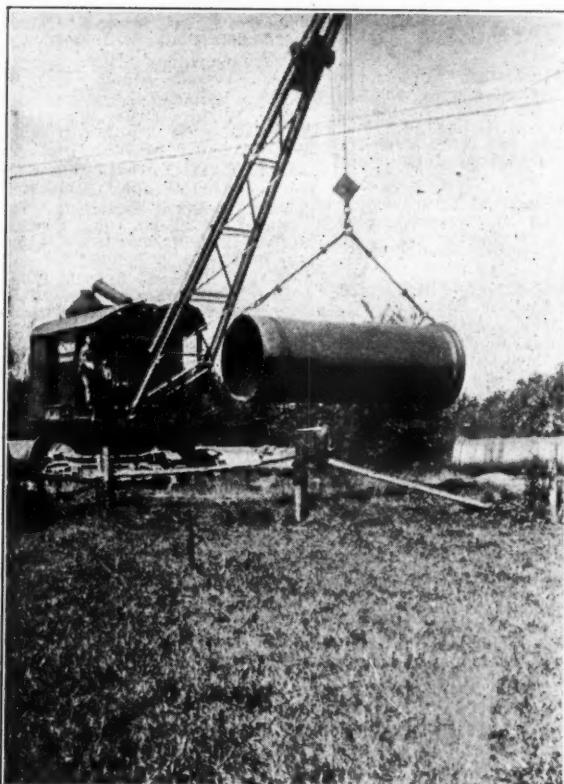
New Orleans, La.—Organization has been effected here of the Southern Cotton Oil Co. of Louisiana, Inc., with a paid-up capital stock of \$13,500,000, to take over the properties of the Southern Oil Co. of New Jersey and the Southport Mills, Ltd., of New Orleans. Officers of the new company include the following: A. D. Geoghegan, president; A. Q. Peterson, T. A. Asbury and C. D. Jordan, vice-presidents; H. P. Rawley, secretary, and F. L. Palmer, treasurer.

While the properties of the two companies purchased will be combined into one ownership, it is understood that they will operate separately. Products of the Southern Oil Co. of New Jersey include Snowdrift and Wesson Oil, two vegetable-oil products.

**The Coal Industry in Kentucky.**

Everything about the coal resources of the Blue Grass State is related in "The Coal Industry of Kentucky," a fine book of some 150 pages, written by Willard Rouse Jillson, director and state geologist, and published by the Kentucky Geological Survey at Frankfort. Mr. Jillson presents, with many pictures, a review of the discovery, the development, mining methods, qualities, markets, analyses, geology, correlations, locations, production statistics and mine operators of the Kentucky coals. This is a second edition of the review and it has been revised and expanded to bring it up to date. There are 42 illustrations, maps and diagrams.

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New York, 71 Broadway  
San Francisco, Monadnock Bldg.

Chicago, 122 S. Michigan Blvd.  
Birmingham, 1711 American Trust  
Building  
Kansas City, Mo., Interstate Bldg.

Minneapolis, Plymouth Bldg.  
Cleveland, 1150 E. 26th St.  
Buffalo, 957 E. Ferry St.  
Dallas, Magnolia Bldg.

## FINANCIAL NEWS

## Bond Issues Proposed

Ala., Birmingham—City Comm., L. E. Gray, City Clk., receives bids June 16 for \$1,533,000, 4½% school bonds, and \$200,000 4½% public improvement, \$1000 denom. bonds.

Ala., Dothan—Municipal Improvement—City receives bids June 1 for \$222,000, 6% and 5% bonds: \$125,000, school; \$75,000, storm sewerage; \$15,400, water works refunding; \$6600, electric light refunding. Address City Clk.

Ala., Jacksonville—School—City voted \$15,000 bonds. Address Board of Education.\*

Ala., Sulligent—School—City, A. U. Hallis, Mayor, voted \$25,000 bonds.\*

Ark., Fort Smith—Municipal Improvement—City contemplates \$425,000 bond issue; \$250,000 city auditorium; \$35,000, fire station; \$20,000, fire equipment; \$100,000, park and playground; \$20,000, annex to Carnegie library; M. J. Miller, in charge of City Finance.

Fla., Bronson—Road—Levy County Commrs. contemplate \$1,500,000 bond issue.

Fla., Dundee—Water Works—City voted \$25,000 bonds. Address City Clk.

Fla., Fort Pierce—Inlet—St. Lucie County voted \$400,000 bonds. Address County Commissioners.

Fla., Fort Lauderdale—Municipal Improvement—Broward County voted \$2,000,000 bonds; \$500,000, courthouse; \$1,500,000, road.\*

Fla., Fort Lauderdale—Water Works—City contemplates \$200,000 bond election. Address City Clk.

Fla., Fort Pierce—Bridge—St. Lucie and Brevard Counties contemplate \$75,000 bond election. Address County Commrs.

Fla., Jacksonville—School—Duval County, Special Tax School Dist. No. 6, votes June 23 on bonds. Address County Commrs.

Fla., Jupiter—School—Palm Beach County School Board, West Palm Beach, will call election June 30 on \$100,000 bonds.\*

Fla., Lake Wales—School—City voted \$160,000 bonds. Address School Board.

Fla., Milton—School—Santa Rosa County, R. B. Hobbs, Sec. Board of Public Instruction, receives bids June 15 for \$125,000, 6% bonds.

Fla., Monticello—School, Street Paving—City votes June 18 on bonds. Address City Clk.

Fla., Orlando—Auditorium—City contemplates bond election. Address City Atty. Crawford.

Fla., Osceola—School—City voted \$10,000 Special School Dist. No. 1 bonds. Address School Board.

Fla., Palm City—Streets, Electric Lights, Water—Town, Grace Enos, Clk., votes June 17 on \$100,000 bonds.\*

Fla., Pensacola—Improvement—City Comm., will call election soon on \$350,000 bonds.

Fla., Sarasota—Park—City will vote on \$75,000 bonds. Address The Mayor.

Ky., Maysville—Road—Mason County Commrs., may call election July 25 on \$350,000 bonds; Jas. H. Rees, County Atty.

Fla., St. Augustine—Road and Bridge—St. Johns County Commrs., contemplate \$2,000 bond issue.

Fla., St. Petersburg—Municipal Improvement—City voted \$2,414,000 bonds: \$493,700, waterfront improvement; \$1,000,000, municipal recreation pier; \$250,000, parks and parkways improvement; \$490,000, open street; \$180,000, widen and deepen creeks, reconstruct walls and sidewalks with necessary storm sewer connections; S. S. Martin, Director of Finance.\*

Fla., Tampa—Bridge—Hillsborough County Comm., authorized \$80,000 warrant issue.

Fla., Webster—Municipal Improvement—City votes June 30 on \$79,000 bonds: \$10,000, electric lighting system; \$30,000, water works; \$4000, city hall; \$35,000, street improvement. Address City Clk.

Ga., Blackshear—School—City votes June 20 on \$27,000 bonds. Address Board of Education.

Ga., Dalton—Sewer—City voted \$30,000 bonds. Address City Clk.\*

Ga., Alexandria—Road—Rapides Parish defeated \$9000 bond issue; plans \$24,000 bond issue. Address Parish Police Jury.

La., Lafayette—Road—Lafayette Parish Police Jury, Geo. Crouchet, Sec., receives bids July 9 for \$30,000 6% Road Dist. No. 8 bonds.

Md., Baltimore—Port Development Loan—City, Frederick A. Dolfield, City Register, plans selling \$4,000,000 5% loan.

Md., Elkton—Lateral Road—Cecil County Commrs., C. H. Reckefus, Pres., receives bids June 9 for \$65,000 4½% \$1000 denom. bonds.

Miss., Hazlehurst—School—Board of Supervs. receives bids this week for \$35,000 Union Consolidated School Dist. Bonds.

Missouri—Road—Board of Fund Commrs., C. Eugene Stephens, State Treas., Jefferson City, receives bids June 10 for \$7,500,000 4½% \$1000 denom. bonds; Samuel A. Baker, Governor.

Mo., Malden—School—City voted \$60,000 bonds. Address Board of Directors Malden School Dist.\*

Mo., St. Louis—Interstate Commerce Comm., granted authority Missouri Pacific R. R. Co., E. A. Hadley, Ch. Engr., St. Louis, to secure authentication of \$35,317,000 first refunding 6% gold bonds, and sell and pledge \$25,000,000 of them as security for certain interim certificates.\*

N. C. Greensboro—Municipal Improvement—City, E. G. Sherrill, Clk., receives bids June 5 for \$1,500,000 4½% \$1000 denom. bonds; \$1,000,000, street improvement; \$500,000, water and sewer.

N. C., High Point—School—City voted \$750,000 bonds; John Hedrick, Mayor.\*

N. C., High Point—Municipal Improvement—City contemplates \$700,000 bond election: \$350,000, water; \$250,000, street improvement; \$100,000, sewer; John W. Hedrick, Mayor.

N. C., Kinston—School—Board of Trustees, Kader Curtis, Supt., plans calling election July 14 on \$225,000 bonds.

N. C., Newton—Catawba County votes June 23 on \$250,000 school and \$75,000 jail bonds.

N. C., Vanceboro—Water and Light—Board of Commrs., R. B. Turner, Clk., receives bids June 15 for \$15,000 6% bonds.

S. C., Clinton—Municipal Improvement—Indebtedness—City J. F. Jacobs, Mayor, voted \$235,000 bonds: \$160,000 street paving; \$25,000 water extension; \$35,000 debt; \$15,000 white way lighting; will sell.\*

S. C., Barnwell—Road and Bridge—Barnwell County, E. M. Kirkland, Clk. Board of County Directors, receives bids June 10 for \$30,000 5½% bonds.

S. C., McCormick—Municipal Improvement—City votes June 16 on \$124,000 bonds: \$28,000, electric light; \$53,000 water works; \$43,000, sewerage; C. H. Huguley, Supvr. of Registration.

Tenn., Alton Park Branch, Chattanooga—Municipal Improvement—City voted \$35,000 bonds: \$25,000, street and curb improvement; \$10,000, sewer. Address City Clk.\*

Tenn., Athens—Deficit—City voted \$50,000 bonds. Address City Clk.

Tenn., Covington—School—Town votes July 1 on \$25,000 bonds. Address School Board.

Tenn., Jonesboro—School—Washington County voted \$35,000 bonds; W. M. Hyder, Chmn., Washington County Election Comrns.\*

Tenn., Lebanon—Funding—City, E. E. Adams, City Clk., receives bids June 12 for \$75,000 bonds.\*

Tenn., St. Elmo Branch, Chattanooga—Municipal Improvement—City, W. B. Rollins, Mayor, voted \$60,000 bonds: \$20,000, park and school; \$25,000, curbs and gutters; \$15,000, storm water sewers.\*

Tenn., Trezevant—Water Works—City contemplates \$20,000 bond election. Address City Clk.

Tex., Big Lake—Courthouse and Jail—Reagan County plans \$50,000 bond election. Address County Commrs.

Tex., Comanche—Water Works—City voted \$50,000 bonds; J. R. Eaves, Mayor.\*

Tex., Corsicana—Navarro County Commrs. will call election June 20 on \$6,000,000 road improvement, and \$1,000,000 to take up outstanding bonds; W. W. McClelland, County Engr.; Ballard W. George, County Judge.\*

Tex., Cotulla—Irrigation—Cotulla Irrigation Dist., votes July 1 on \$5,000,000 bonds; Nagle, Witt & Rollins, Engrs., 0024 Keystone Bldg., Houston, 1304 Santa Fe Bldg., Dallas.

Tex., Fort Worth—School—Britton Common School Dist., Tarrant and Ellis Counties, votes June 15 on \$15,000 bonds. Address Judge Moore, Tarrant County Commrs. Court, Fort Worth.

Tex., Fort Worth—School—City votes June 20 on \$2,000,000 bonds; M. H. Moore, Supt. Lastly noted election May 29.\*

Tex., French—School—Board of Education will call election June 13 on \$35,000 bonds. Address Sec. of Board.

Tex., Kingsville—Hospital—Kleberg County defeated \$35,000 bonds; M. O. Millikin, County Commr.\*

Tex., Naples—Water Works Improvement—City will vote soon on \$45,000 bonds; E. I. Dalton, Cons. Engr., 319 Wilson Bldg., Dallas.

Tex., Palmer—Sewer—City will vote soon on \$20,000 bonds; E. I. Dalton, Cons. Engr., 319 Wilson Bldg., Dallas.

Tex., Powell—School—City voted \$30,000 bonds. Address School Board.

Tex., Wichita Falls—School—School Board, W. B. Chauncey, Pres., will call election June 20 on \$500,000 bonds.

Va., Rural Retreat—Water Works—Town voted \$42,000 bonds. Address Town Clk.

Va., Galax—Municipal Improvement—Town, I. G. Vass, Clk., received bids June 25 for \$25,000 school and \$15,000 6% general improvement bonds.\*

W. Va., Benwood Branch, Wheeling—School—Marshall County, Union Dist., votes June 6 on \$320,000 bonds. Address School Board.

W. Va., Charleston—Bridge—Kanawha County Commrs. will call election July 7 on \$1,750,000 bonds.\*

W. Va., Huntington—Municipal Improvement—City, Floyd A. Chapman, Mayor, voted \$1,325,000 bonds: \$175,000 fire equipment; \$791,000, sewer; \$309,000, bridges; \$40,000, fire stations.\*

W. Va., Maysontown—Sewer and Water—City plans selling \$30,000 bonds. Address City Clk.

W. Va., Parkersburg—Municipal Improvement—City defeated \$300,000 water and \$500,000 paving bonds. Address City Clk.

W. Va., Spencer—Road—Roane County, Curtis Dist., voted \$75,000 bonds. Address County Commrs.\*

W. Va., Weston—Road—Lewis County, Courthouse Dist., contemplates \$400,000 bond election. Address County Commrs.

## Bond Issues Sold

Fla., Apopka—Street Paving—City sold \$30,000 6% bonds to Wright, Warlow & Co., State Bank Bldg., Orlando, at premium of \$940.

Fla., Avon Park—General Improvement—City sold \$280,000, 6% bonds to Florida National Bank, Jacksonville, at premium of \$21,000.\*

Fla., Bradenton—Road and Bridge—Manatee County Commrs., Robt. H. Roesch, Clk., sold \$450,000, 5½% bonds to Hibernia Securities Co., Inc., Atlanta, at premium of \$41,994, and accrued interest.\*

Fla., Bronson—Road and Bridge—Levy County sold \$75,000 6% Levy County Special Road and Bridge Dist. No. 5 bonds to Spitzer, Rorick & Co., Toledo, at par.\*

Fla., Ellenton—Water Works and Sewer—City sold \$46,000 bonds to J. B. McRary & Co., Atlanta.

Fla., Live Oak—School—Suwanee County Board of Public Instruction, Burr L. Bixler, Chmn., sold \$10,000 6% Special Tax School Dist. No. 2 bonds to Wellborn Bank of Wellborn.\*

Fla., Okeechobee—Courthouse—Okeechobee County Commrs., C. E. Simmons, Clk., Circuit Court, sold \$200,000 6% bonds to Peoples' Bank of Okeechobee at \$219,705 and accrued interest.\*

Fla., Sanford—City sold \$204,000 5% bonds to Ryan, Sutherland & Co. and W. L. Slayton & Co., both Toledo, at \$204,632.40 and accrued interest.\*

Fla., Sarasota—School—Sarasota County School Board, T. W. Yarbrough, Sec., sold \$200,000 5% bonds to W. L. Slayton & Co., Toledo, at 102.10 and accrued interest.

(Continued on page 148.)

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GWYNN CROWTHER, President

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Inquiries invited from municipalities and contractors. We buy city, county, district, school, road, lighting, water works and other municipal issues.

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**MARX AND CO.**

Brown-Marx Bldg. Birmingham, Ala.

(Continued from page 146.)

Fla., Titusville—Improvement—City, J. P. Wilson, Clk., sold \$500,000 6% bonds to Davis, Bertram Co., Cincinnati, Steiner Brothers, Birmingham, and Trust Co. of Georgia, Atlanta, at \$536,250 and accrued interest.\*

Fla., Titusville—Road and Bridge—Brevard County sold \$25,000 Special Road and Bridge Dist. No. 14 bonds to Indian River State Bank of Titusville at premium of \$542.

Fla., Winter Park—Paving—City sold \$93,000 5% bonds to Bank of Winter Park at fraction over par.

Ga., Atlanta—Street Improvement—City sold \$58,000 bonds to Westcott & Parrott, New York City, at \$59,205.

Ky., Central City—School—City sold \$56,000 bonds to Caldwell & Co., Nashville, at premium of \$303 and accrued interest.

La., Alexandria—Road—Rapides Parish Police Jury sold \$20,500 5% Sub-Road Dist. A, No. 5 bonds to Perry Price, at par and accrued interest; sold \$42,500 5 1/2% Road Dist. No. 29 bonds to L. E. French & Co., Alexandria, and M. W. Elkins & Co., Little Rock, Ark., at par, accrued interest and premium of \$11.\*

La., Baton Rouge—School—East Baton Rouge Parish School Board sold \$500,000 4 1/2% Dist. No. 1 bonds jointly to Continental and Commercial Trust & Savings Bank, Northern Trust Co., E. H. Rollins & Sons, 231 S. La Salle St., Chicago, Ill., at premium of \$1337.\*

La., Port Allen—Drainage—West Baton Rouge Parish Police Jury sold \$12,000 6% Drainage Dist. No. 1 bonds to Bank of West Baton Rouge of Port Allen at par.

Md., Frederick—Lateral Road—Frederick County Comms., R. Bruce Murdoch, Clk., sold \$50,000 bonds to Graham, Parsons & Co., New York, at \$105,779.\*

Miss., Meridian—Paving—City sold \$300,000 bonds to Canal Commercial Bank & Trust Co., New Orleans, at par, accrued interest and premium of \$1300.

N. C., Durham—Road Indebtedness—County Home—Durham County, K. G. Markham, Register of Deeds, sold jointly to Harris, Forbes & Co., 56 Williams St., New York, and Wachovia Bank & Trust of Winston-Salem, N. C., \$40,000 4 1/2% indebtedness bonds, at \$406,292 and \$150,000 4 1/2% county home bonds, at \$152,339.\*

N. C., Jefferson—Road—Ash County Good Roads Comm., L. H. Miller, Chmn., sold \$94,000, 4 1/4% bonds to Hanchett Bond Co., 39 S. La Salle St., Chicago, at par, accrued interest, and premium of \$700.\*

N. C., Lumberton—Funding—Road and Bridge—Robeson County, W. M. Floyd, Clk., sold \$235,000 4 1/4% and 4 1/2% bonds to Continental and Commercial Trust & Savings Bank, Chicago, at \$244,851.\*

N. C., New Bern—Funding—Board of Aldermen, F. T. Patterson, Clk., sold \$400,000 4 1/4% bonds to Citizens Bank & Trust Co., New Bern, and C. W. McNear & Co., Chicago, at par, accrued interest and premium of \$150.\*

Okl., Enid—Road—Garfield County sold \$350,000 bonds to Peersol Bond Co., Oklahoma City, at par, accrued interest and premium of \$19,427.

S. C., Chester—Refunding—City, J. H. McClure, Treas.-Clk., sold \$50,000 bonds to National Exchange Bank, Chester, for \$50,550.\*

S. C., Clover—Street Improvement—Town sold \$75,000 5% bonds to J. H. Hilsman & Co., Atlanta Trust Bldg., Atlanta, at fraction over 102.\*

S. C., Greenville—Road—Greenville County sold \$75,000 4 1/2% bonds to Kaufman, Smith Co., Security Bldg., St. Louis, at premium of \$1140.\*

S. C., Spartanburg—Highway—Spartanburg County, J. L. M. Williams, Clk., sold \$175,000 4 1/2% bonds to R. S. Dickson Co., Greenville, at premium of \$1978.\*

Tenn., Bristol—Municipal Improvement—City sold \$239,000 bonds to City Bank, at par, accrued interest and premium of \$13,750.\*

Tenn., Martin—Indebtedness—City sold \$35,000 bonds to Caldwell & Co., Nashville, provided election carries.

Tenn., Spring City—City sold \$9000 indebtedness and \$15,000 street improvement, 5 1/2% bonds to Tigrett & Co., Jackson, Tenn., at par plus premium of \$366.\*

Tex., Childress—School—City sold \$125,000 5 1/2% bonds to Brown-Crummer Co., Wichita, Kansas, at premium of \$6155.

Tex., Wheeler—Courthouse—Wheeler County sold \$80,000 5% bonds to H. C. Burt & Co., Houston, at par, accrued interest, and premium of \$1753.\*

Va., Clifton Forge—Municipal Improvement—City, C. P. Nair, Chmn. Finance Committee, sold \$75,000 5% bonds to W. K. Terry & Co., Toledo, at 102.53.\*

W. Va., Berwind—School—Board of Education of Big Creek Dist. sold \$300,000 5 1/2% \$1000 denom. bonds to Weil, Roth & Irving Co., 217 Dixie Term. Bldg., Cincinnati, Ohio.\*

### Building and Loan Associations

Ala., Birmingham—Columbian Building & Loan Assn., capital \$30,000, incorporated; W. E. Shine, 2211 Seventh Ave. N.

Ga., West Point—Chamber of Commerce perfecting plans to organize mutual building and loan assn.

Ky., Newport—Safety Building & Loan Assn., plans increasing capital, \$650,000, to \$1,250,000.

Md., Baltimore—Redwood Building & Loan Assn., of Baltimore City, 308 Equitable Bldg., capital \$1,000,000, incorporated; Abram B. Makover, Robt. Kanter.

Md., Baltimore—Union Square Building Assn., Gay and Chester St., capital \$1,000,000 incorporated; George L. Schnader, Selig Miller.

Mo., Jefferson City—Mutual Building & Loan Assn., Cletus V. Zuber, Sec., plans increasing capital, \$1,000,000 to \$2,000,000.

### New Financial Corporations

Ark., Parkin—Ed. Hamilton, Wynne, and F. G. McCrary, interested in organizing bank with \$10,000 capital.

Fla., Jacksonville—Central Bond & Mortgage Co., capital \$200,000, incorporated; Harry B. Hoyt, Pres., 233 W. Adams St.; W. F. Arnold, Sec.-Treas.

Fla., Sarasota—American National Bank, chartered; Dr. James A. Oliver, V. P.

Fla., Sarasota—State Investment Co., capital \$25,000, incorporated; A. G. Rhodes, Pres.; C. O. Teate, Sec.-Treas.

Ga., Macon—Co-operative Investment Co., capital \$10,000, incorporated; H. H. Sapp, Washington Block.

Md., Baltimore—Columbia Finance & Used Car Co., 506 E. Baltimore, St., incorporated; Wm. E. Smith, Irvin K. Edelstein.

Miss., Jackson—Mississippi Mortgage & Securities Co., capital \$50,000, incorporated; J. B. Stirling, 600 N. State St.

Miss., Natchez—Bank of Commerce plans increasing capital, \$50,000 to \$100,000.

Mo., St. Joseph—Mays Realty Co., capital \$30,000, incorporated; Perry A. Brubaker, American Nat'l. Bank Bldg., St. Joseph.

Mo., St. Joseph—Union Chattel Loan Co., capital \$100,000, incorporated; J. O. Barkley, 3724 St. Joseph St., St. Joseph.

Mo., St. Louis—Retail Credit Loan Co., capital \$10,000, incorporated; David J. Woodlock, 3663 McRee Ave.

Mo., St. Louis—State Mortgage & Realty Co., \$20,000, incorporated; Abraham Levin, 5929 McPherson St.

Mo., St. Louis—Insurance Bank, Missouri State Life Bldg., capital \$250,000, organized; M. E. Singleton, Pres.; F. R. Winger, Cashier.

N. C., Elizabeth City—Atlantic Discount Corp., capital \$200,000, incorporated; W. G. and W. H. Gaither.

N. C., Henderson—Carolina Bank & Trust Co., J. H. Brodie, Pres., merged with Citizens Bank & Trust Co., J. Bailey Owen, Pres.

N. C., La Grange—National Bank of La Grange absorbed La Grange Bank & Trust Co.; J. C. Raeberry, Pres., Cobb Bldg.

N. C., Raleigh—Carolina Mortgage & Indemnity Co., David A. Houston, Pres., plans increasing capital, \$550,000 to \$1,000,000.

S. C., Greenville—Carolina Loan & Trust Co., of Greenville, plans increasing capital, \$500,000 to \$2,000,000.

S. C., North—State Bank of North, capital \$25,000, incorporated; H. C. Wannamaker, L. K. Etheredge.

Tex., Dallas—Atlantic Mortgage & Investment Co., of Dallas, Kirby Bldg., plans increasing capital, \$10,000 to \$75,000.

Tex., Dallas—Conservative Finance Corp., capital \$250,000, incorporated; J. Eustace Frost, Floyd L. Fowler.

Tex., Dallas—Mercantile Investment Co., increased capital, \$50,000 to \$200,000.

Va., Richmond—United States Bond & Mortgage Corp., capital \$100,000 to \$200,000, organized; Otis P. Walker, Pres., Southampton.

Drovers & Mechanics National Bank, H. E. Boyce, Pres., Eutaw & Fayette St., Baltimore, Md., plans establishing branch bank about Nov. 1, in Candler Bldg., Northeast corner of Pratt St. and Market Place, with C. Walter Katenkamp, manager.

### To Sell \$750,000 of Bonds for Schools.

Memphis, Tenn.—In conjunction with the city, the Shelby County Board of Education on June 9 will offer for sale \$750,000 of bonds for the erection of new school buildings and the improvement of existing structures. New buildings will include an industrial high school for negroes to be located in this city at Lauderdale street and Mississippi avenue. Bids for the erection of the structure will be received by the board until June 22.

### Bids Asked on Memphis Bonds.

Memphis, Tenn.—Bids will be received until June 9 by the city of Memphis, Rowlett Paine, mayor, for the purchase of four bond issues aggregating \$612,000. The issues will include \$400,000 of improvement bonds, \$100,000 for general hospital, \$75,000 for auditorium and market and \$37,000 for street improvement.

### Courthouse Bonds Sell for \$219,705.

Okeechobee, Fla.—A bond issue of \$200,000 for the erection of a courthouse here has been sold to the People's Bank of Okeechobee at \$219,705 and accrued interest. Plans for the courthouse have been drawn by George Gaynor Hyde of Miami and Okeechobee, and it is expected that contract will soon be awarded and construction begun.

### Jackson to Sell \$400,000 of Bonds.

Jackson, Miss.—General improvement bonds in the amount of \$400,000 will be sold at auction by the city of Jackson on June 2. These will consist of \$290,000 of sewer, street and public-building extension and improvement bonds and \$110,000 of water-works-improvement bonds, both issues to be covered by one bid. Interest will be payable semi-annually and the interest rate determined at the time of sale. A. J. Johnson is city clerk.

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OF BALTIMORE  
A. H. S. POST, President.   F. G. BOYCE, JR., Vice President.

### To Build Mercerizing Plant at Belmont.

Belmont, N. C.—Plans have been made by the Lineberger-Stowe interests to build a mercerizing plant here near the National Yarn Mills, owned by the same interests. The new plant, it is said, will be of sufficient capacity to process the output of the entire group of Belmont mills, with a total of 81,000 spindles.

The Belmont Fabric Co., recently incorporated with a capital stock of \$1,000,000 to build a weave mill at Belmont, is also a Lineberger-Stowe enterprise.

### Galvez Cotton Mills Incorporated.

Galveston, Texas.—Articles of incorporation have been filed with the Secretary of State for the Galvez Cotton Mills to be capitalized at \$1,020,000, capital stock to be divided into 20,000 shares of common of \$1 par value and 10,000 shares of preferred stock with a par value of \$100. Incorporators include A. A. Horne, L. W. Reed and R. C. Stone, all of Galveston, and these, with the following, constitute the board of directors: Rudy Copeland, Fort Worth; R. G. Carroll and Robert I. Cohen, Sr., both of Galveston; F. W. Nichols, Jr., Taunton, Mass., and B. D. Barker, Boston. Officers will soon be elected.

It is planned to establish a mill of 14,000 spindles for pro-

ducing yarn for hosiery and underwear at first and later to include the production of cloths. Machinery will be moved here from a mill at Taunton.

### Negroes Purchase Tract for Aged Ministers' Home.

Heflin, Ala.—A tract of 200 acres of land near this city has been acquired by the Mt. Olive Baptist Association, a negro organization of which Rev. R. T. Terrell of Heflin is moderator, for the establishment of a home for aged ministers and old and disabled members. The property contains two good buildings, and a campaign is now on for raising \$5000 to complete payments on it and to develop a model farm.

### To Vote on \$350,000 of Bonds.

Maysville, Ky.—At a recent meeting of citizens here, presided over by James H. Rees, county attorney, a resolution was adopted empowering the county judge to call a special election for July 25 on a bond issue of \$350,000 for road construction in Mason county. It is understood that county funds will be supplemented by a similar amount of state funds and that after the proposed roads have been completed the state will take over the system and maintain it.

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General Practice in Auditing, Accounting and Tax Service  
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## More Business Needed in Politics.

By LEE LANGLEY.

That the South is just entering upon a period of great prosperity, development and expansion is apparent to everyone familiar with conditions in the Southern states and movements to the East. New enterprises of every kind are being established, agriculture is advancing and education is being more liberally financed. The increasing development of hydraulic power, improved transportation facilities, favorable labor conditions and an abundance of cheap raw materials are offering irresistible inducements to industrial capital to seek Southern investment. Native-born industrial labor, practically the only kind employed in the South, is without an equal. Land is cheap and productive and the cost of living is cheaper in the Southern states than anywhere else. A mild climate and an abundance of cheap fuel further reduce living expenses. There is no item of costs of manufacturing which affects dividends that the South does not hold an edge on. These facts have become well known and admitted throughout the country, and will unquestionably result in an unprecedented Southern development, already commenced, which will last at least 10 years without interruption.

Progress always demands readjustments. Rapid industrial, commercial and agricultural progress will bring an important measure of political complications which must be wisely dealt with. Prosperity cannot be legislated, neither will business prosper when government is inequitable, incompetent or wasteful. In an address delivered recently before the Georgia Manufacturers Association, Eugene R. Black, president of the Atlanta Trust Company, said:

"One of the chief troubles of Georgia is that its business men are not brought face to face with the problem of how the state can best meet the demands that must be met if Georgia is to join the quick step of its sister states. You have to get around a table and face this problem squarely. You've got to work out a fair tax program that will give Georgia what it needs and deserves. You've got to resuscitate the farmer of this state before you can help yourselves. You've got to put your state educational institutions in a position where they can compete with the institutions of other states. You've got to give your peach growers, your diversifying farmers, your apple growers and your melon growers adequate marketing facilities. When you do this, you will have a state."

I delivered the annual address before the Georgia Manu-

facturers Association in 1924, and quote as follows from the Savannah press report of the convention:

"Georgia will never enjoy a healthy growth of prosperity until its political conditions are improved and its political sores are healed, Lee Langley, member of the Georgia General Assembly, declared in an address before the annual convention of the Georgia Manufacturers Association at the Hotel Tybee. Mr. Langley further said: 'A sound financial, industrial and agricultural structure can never be built upon a rotten political foundation. I am almost ashamed to appear before a body of business men like this one, representing the great manufacturing interest of the state, whose minds are properly occupied with the problems of production, financing and developing our vast and valuable natural resources, and talk about politics. But some one has to talk politics to you. Political problems hover all over the success of your enterprises, existant and expectant.'

"So far as knowledge goes into the making of government in Georgia, the politicians are the only educators of the masses. From election to election, politicians are busy telling voters what to think and whom to trust, and a great majority of the voting voters think and trust accordingly. While your government is being made in this way, you gentlemen are occupied in trying to keep the wheels of industry moving and to meet the payrolls of your employes, who are taking counsel from the office-seeker. Probably, a majority of qualified voters in Georgia think as you do, but they do not vote at all. Your part in healing the political sores of Georgia goes no further, as a rule, than salving the symptoms. When government trouble knocks at your door, you call in a hired man and tell him to go out and 'fix it.' It makes no difference whether the hired man knows anything at all about the problem you send him out to solve, even if it be one like the science of taxation, that the wisdom of the ages has failed to solve. There ought to be a public thinker and a government problem solver provided for Georgia, appointed for life, like the United States judges."

Had this advice of 1924 been heeded, the black repetition of 1925 would have been unnecessary. But May, 1925, found the business men right where May, 1924, left them—at their desks, completely engrossed in their private business, while the politicians continue to make their government. Laws, abortive, conflicting and impossible of equitable administration, continue to pile one upon another, until business cannot tell what public penalties it is subject to, or what will come next to interrupt its plans and affect its progress and profits. Business men must come to recognize public affairs as part of their private business, and an important part.

The city of Webster, Fla., will vote June 30 on \$79,000 of bonds for municipal improvements.

# — PROPOSALS —

BOND ISSUES      BUILDINGS      PAVING      GOOD ROADS

Bids close July 7, 1925.

U. S. ENGINEER OFFICE, Florence, Ala. Sealed proposals will be received here until 11 A. M., July 7, 1925, and then opened, for furnishing and erecting a bascule bridge across the navigation lock of Wilson Dam. Further information on application.

Bids close, July 7, 1925.

U. S. ENGINEER OFFICE, Florence, Ala. Sealed proposals will be received here until 11 A. M., July 7, 1925, and then opened, for furnishing and erecting a Strauss trunnion bascule bridge across the navigation lock of Wilson Dam. Further information on application.

Bids close June 15, 1925.

U. S. ENGINEER OFFICE, Montgomery, Ala., May 15, 1925. Sealed proposals will be received here until 11 A. M. June 15, 1925, and then opened, for one 80-foot by 5-foot steel barge. Further information on application.

RATE: 35 cents per line per insertion.

PUBLICATION DAY: Thursday.

FORMS CLOSE: 4 P. M. Monday.

DAY LETTER: When too late to send copy by mail to reach us by 4 P. M., Monday, forward by day letter.

THE DAILY BULLETIN OF THE MANUFACTURERS RECORD:

Published every business day; gives information about the industrial, commercial and financial activities of the South and Southwest.

The Daily Bulletin can be used to advantage when copy cannot reach us in time for publication in the Manufacturers Record before bids are to be opened, or when daily publications are necessary to meet legal requirements.

The same rate applies—35 cents per line per insertion.

Bids close June 15, 1925.

Sealed proposals in triplicate will be received in the office of Constructing Quartermaster, Room 2236 Munitions Building, Washington, D. C., until 11 A. M. June 15, 1925, and then opened, for constructing an addition to the Medical Storehouse, Walter Reed General Hospital, Washington, D. C. Information upon application to above office.

Bids close June 26, 1925.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., May 20, 1925.—SEALED PROPOSALS will be opened in this office at 3 P. M., June 26, 1925 for the construction, including Mechanical Equipment and Lighting Fixtures, and incidental alterations to the present building of a one-story semi-fireproof extension of about 315 sq. ft. ground area at the U. S. P. O., St. Petersburg, Fla. Drawings and specifications may be obtained from the Custodian of the building or at this office in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Bids close June 22, 1925.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., May 20, 1925.—SEALED PROPOSALS will be opened in this office at 3 P. M., June 22, 1925, for the construction, including Mechanical Equipment and Approaches of a two-story and basement building with a ground area of approximately 3160 sq. ft., for the United States Post Office at Holly Springs, Miss. Drawings and specifications may be obtained from the Custodian of the site at Holly Springs, Miss., or at this office in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Bids close June 30, 1925.

## Viaduct

Tampa, Fla.

Sealed proposals, addressed to the City Commission, Tampa, Florida, for the construction of the Lafayette street Viaduct in the City of Tampa, Florida, will be received by the City Commission, at the office of the City Clerk, City Hall, Tampa, Florida, until 11 A. M., June 30, 1925, and not thereafter, and at that time will be publicly opened and read. Said proposals should be indorsed "Proposal for the construction of the Lafayette Street Viaduct, over the tracks and yard of the Seaboard Air Line Railway Company on Lafayette Street." Copies of plans, specifications, form of proposal, bond and contract for the work may be obtained from the City Engineer, City Hall, Tampa, Florida, or from Norman S. Sprague, Consulting Engineer, 1011 Bessemer Building, Pittsburgh, Pa., upon application therefor and the deposit of Twenty-five Dollars (\$25.00), fifteen dollars of which sum will be refunded upon return of the plans and specifications in good condition within thirty (30) days' time after the opening of bids.

The Lafayette Street Viaduct is 794 feet long and 80 feet wide. The approaches are reinforced concrete, of viaduct type of construction and retaining walls. There are three through plate girder spans of 70 and 83.5 feet over the tracks and yard of the Seaboard Air Line Railway. The structure over the railway yard is encased in concrete.

The roadway on the approaches is 60 feet wide and over the Railway yard the roadway is divided into two roadways of 27 feet each. The sidewalks are 10 feet in width on approaches and spans over the railroad.

All proposals must be made upon blank forms attached to the specifications, and be presented enclosed in sealed envelopes furnished by the City of Tampa for this purpose, indorsed as above provided, and filed with the City Commission, City Hall, Tampa, Florida, and shall be accompanied by a certified check or bid bond, made payable to the City of Tampa for an amount equal to ten per cent (10%) of the amount of the total bid, and no bid shall be considered unless such check or bid bond is enclosed therewith. Such certified check or bid bond shall be delivered upon condition that if said bid is accepted, the party will promptly and properly enter into and execute a contract and bond in accordance with the award. Should the successful bidder to whom the contract is awarded fail to execute the same within ten (10) days, not including Sundays or Legal Holidays, from the date of notification of such award, such security shall be forfeited to the City of Tampa as liquidated damages, and the same shall become the property of the City of Tampa. Certified checks or bid bonds of the unsuccessful bidders will be returned to the bidders who submitted them.

A good and sufficient Surety Company's bond, acceptable to the City Commission of the City of Tampa, Florida, will be required for the faithful performance of the construction contract in a sum equal to fifty per cent (50%) of the amount of the contract price.

Contract and bond shall be approved by the City Commission and executed for the City of Tampa by the Mayor Commissioner.

The City of Tampa reserves the right to reject any or all proposals or to select the proposal, the acceptance of which will, in its judgment, best secure the efficient performance of the work.

CITY OF TAMPA.

By W. LESLEY BROWN.  
City Manager.By R. D. MARTIN.  
City Engineer.NORMAN S. SPRAGUE,  
Consulting Engineer.

Bids close June 9, 1925.

## Bridges

Bastrop, La.

Sealed proposals will be received by the Police Jury of Morehouse Parish at Bastrop, La., up to 10 A. M. Tuesday June 9, 1925, and at that time and place be publicly opened and read, for the construction of the following bridges over Bayou Bartholomew:

Project No. 7-B Ward's Ferry. Total length 474 ft., consisting of 374 ft. of creosoted timber approaches and a 100 ft. steel span through truss superstructure ten ton capacity, and 16 ft. roadway, with creosoted timber floor joists.

Project No. 17-B Vester Ferry. Total length 559 ft., consisting of 459 ft. creosoted timber approaches and a 100 ft. steel span through truss superstructure, ten ton capacity and 16 ft. roadway, with creosoted floor beams.

Creosoted and untreated bridge lumber and piling will be furnished by the Parish f. o. b. siding at Beekman and Gallion, La., on A. & L. M. and Missouri Pacific railroads, respectively, for the projects in order named and steel structure will be furnished in place by the contractor.

Information as to location, character of work, extent of time, class of material, terms of payment, regulations governing manner of submitting proposals and executing contract may, on application, be obtained at the office of the Parish Engineer at Bastrop, La.

J. LESTER WHITE,  
Parish Engineer.J. W. BRODNAX,  
President Police Jury.

Bids close June 18, 1925.

## State Road Construction

SANITARY AND DRAINAGE COMMISSION OF CHARLESTON COUNTY

Charleston, S. C.

1. Notice is hereby given that sealed proposals for highway improvements in Charleston County, St. Andrews Township, will be received at the offices of the Sanitary and Drainage Commission, at Charleston, South Carolina, until 12.00 noon, June 18th, 1925 and then publicly opened.

## DESCRIPTION OF WORK TO BE DONE.

Construct approximately twenty-five thousand yards plain concrete pavement including shoulders and fine grading.

County, Charleston: Township, St. Andrews.

Detailed plans of the work may be seen for examination at the offices of Sanitary and Drainage Commission, at Charleston, South Carolina. Complete set of plans will be furnished for \$5.00 which sum will be refunded if plans are returned in good condition, within thirty days after receipt of bid.

The right is reserved to reject any or all proposals and waive any technicalities.

Bids close June 15, 1925.

## Road Improvements

Beaufort, N. C.

Sealed proposals will be received by the Board of Commissioners for Carteret County at the Court House, Beaufort, N. C., until 12 o'clock Noon June 15, 1925 for Road Improvements.

The work will consist of about ten miles of concrete or asphalt pavement with the necessary excavation and borrow and ditching.

All bids must be upon the blank forms provided in the Proposal, Specifications and Contract.

Each bid must be accompanied by a certified check or Bidders Bond in an amount equal to five per cent of the amount of the bid, as evidence of good faith.

Plans and Specifications will be on file at the office of the County Auditor, Beaufort, N. C., and the office of the Engineer, Beaufort, N. C. Copies of the Specifications, forms of Proposal, etc., may be had upon deposit of ten dollars from W. L. Stancil, Clerk to Board, Beaufort, N. C., or Geo. J. Brooks, Engineer, Beaufort, N. C.

The right is reserved to reject any or all bids.

J. E. WOODLAND, Chairman.  
W. L. STANCIL, Clerk.

GEO. J. BROOKS, Engineer.

Bids close June 17, 1925.

## Street Improvements

Johnson City, Tenn.

Sealed proposals will be received by the City of Johnson City, Tennessee, at the Municipal Building, until 2 P. M. Wednesday, June 17, 1925, at which time they will be publicly opened and read, for grading and paving various Improvement Districts with concrete, asphalt, or asphaltic concrete.

The work will embrace approximately 38,000 square yards of paving, 24,000 linear feet of curb and gutter, 9000 linear feet of curb, 7000 feet of 8 inch sewer, 6500 feet of 6 inch sewer, 20 manholes, 150 cubic yards of concrete in bridges, and 6000 cubic yards of grading.

Plans and specifications will be on file and can be seen at the office of the City Engineer, Johnson City, Tennessee. Each bid must be accompanied by a certified check for 10 per cent. of the amount of the bid, conditioned that the contractor, in case the work be awarded him, will enter into a contract with the City of Johnson City within the time required and for the price named in the bid and in accordance with the plans and specifications and the provisions of the ordinances providing for the improvements, to do the work or improvements.

The right is reserved to reject any or all bids or to accept any bid, as the interest of the City of Johnson City may require.

This May 25, 1925.

T. H. McNIEL,  
City Recorder.

Bids close June 12, 1925.

## Street Improvements and Storm Drainage

Sealed proposals will be received by the Board of Aldermen at the office of the Mayor of Cartersville at 11:00 A. M., on the 12th day of June, 1925, for the furnishing of all labor, material, equipment and other things necessary for the construction of street improvements and storm drainage in the City of Cartersville, Ga.

Proposals will be received on the following types of street pavements: VITRIFIED BRICK, CONCRETE, SHEET ASPHALT, ASPHALTIC CONCRETE, FINLEY METHOD TYPE "A" and FINLEY SHEET ASPHALT.

The work will consist of the following estimated quantities:

17,165 Sq. Yds. Street Pavement.  
8000 Sq. Yds. Re-constructed Base Course.  
4765 Sq. Yds. Sidewalk.  
500 Sq. Yds. Driveways (Concrete).  
7,180 Lin. Ft. Curbing (Concrete or Granite).  
400 Lin. Ft. Radii Curbing (Concrete or Granite).  
450 Lin. Ft. Re-Setting old Granite Curbing.  
450 Lin. Ft. Headers (Concrete or Granite).  
7462 Cu. Yds. Grading (Street Excavation).

560 Cu. Yds. Ditching and Backfilling.  
10,000 Bricks—Bricks for Catch Basins.  
8000 Pounds Cast Iron for Catch Basins.  
325 Lin. Ft. 15 inch Pipe (Concrete or Vitrified).  
600 Lin. Ft. 18 inch Pipe (Concrete or Vitrified).  
100 Lin. Ft. 21 inch Pipe (Concrete or Vitrified).  
100 Lin. Ft. 24 inch Pipe (Concrete or Vitrified).

Proposals must be submitted on regular forms accompanying the specifications and must be accompanied by a certified check or bidder's bond for two thousand (\$2000) dollars, payable to the City of Cartersville, Georgia.

Plans and specifications are on file at the office of Thomas A. Upshaw, City Clerk, at Cartersville, Ga., and copies of the specifications may be secured from Knox T. Thomas, Engineer, upon payment of five (\$5.00) dollars.

All bids shall be made and received under the terms of the Cartersville Paving Act, passed by the General Assembly of Georgia, of 1924, and under the provisions of all resolutions passed by the Board of Aldermen of the City of Cartersville, in pursuance thereof.

The right is reserved to reject any or all bids, and to waive formalities, and to accept any bid that the interest of the City of Cartersville may require.

H. C. NELSON, Mayor,  
Cartersville, Ga  
KNOX T. THOMAS, Engineer,  
308 Wynne-Claughton Bldg., Atlanta, Ga.

Bids close June 8, 1925.

### Street Improvement

Bradenton, Fla.

Sealed proposal for widening Fairview Avenue, consisting of Paving, Sewer Construction and Water Main extension, will be received by City of Bradenton, Florida, until 12 o'clock noon on Monday, June 8, 1925.

Bids to cover material, equipment and labor for construction and completion of proposed work, which consists of following approximate quantities:

Removing necessary Trees and Shrubs as shown on Plans.

Removing 42,300 square feet Sidewalk. Break up and remove 9500 lineal feet Curb.

Construct 9500 lineal feet new Curb. Reset 1500 lineal feet Concrete Curb.

Scarfify and reshape 5400 square yards old Pavement and Base.

Excavate approximately 4000 cubic yards earthworks.

Construct approximately 20,000 square yards 4-inch Base. (Bid per ton on Rock and on Labor, spreading, shaping and rolling, or per square yard in place.)

Relaying 7650 square yards old Asphalt Block Pavement along with 15,900 square yards new Asphalt Block Pavement.

Move 9 old Catch Basins and construct 2 new Catch Basins complete with approved Castings.

Construct 2850 lineal feet 8-inch Sanitary Sewers with approximate 3420 lineal feet 6-inch Laterals.

Construct 12 new Type A Manholes.

Furnish material and laying 1300 lineal feet 6-inch Cast-iron Water Main with necessary Valves, Hydrants, Tees, Crosses, Plugs, Valve Boxes, also 60 feet 10-inch Cast-iron Water Main and Lateral House Lines.

Plans and Specifications on file at office of Commissioner Public Works, City Hall. All bids must be accompanied by satisfactory bidders' bonds or certified check for the amount of \$500, made payable to Whitney Curry, Mayor, as guarantee that successful bidder will enter into contract with city.

All bids must be addressed to R. K. Van Camp, Commissioner Public Works, Bradenton, Florida, and marked on outside of envelope "Bids on Street Improvement."

The city reserves right to reject any or all bids or any part of any bid.

R. K. VAN CAMP,  
Commissioner Public Works.

Bids close June 12, 1925.

### Street Improvements and Storm Drainage

Sealed proposals will be received by the Board of Aldermen at the office of the Mayor of Cartersville at 11:00 A. M., on the 12th day of June, 1925, for the furnishing of all labor, material, equipment and other things necessary for the construction of street improvements and storm drainage in the City of Cartersville, Ga.

Proposals will be received on the following types of street pavement on widening Cassville Street in the City of Cartersville: SHEET ASPHALT, ASPHALTIC CONCRETE, FINLEY SHEET ASPHALT and FINLEY METHOD TYPE "A".

The work will consist of the following estimated quantities:

1334 Sq. Yds. Street Pavement.  
1667 Sq. Yds. Sidewalk.  
100 Sq. Yds. Driveways (Concrete).

3000 Lin. Ft. Curbing (Concrete or Granite).

50 Lin. Ft. Radii Curbing (Concrete or Granite).

50 Lin. Ft. Headers (Concrete or Granite).

500 Cu. Yds. Grading (Street Excavation.)

250 Cu. Yds. Ditching and Backfilling.  
10,000 Bricks—Bricks for Catch Basins.

5000 Pounds Cast Iron for Catch Basins.

100 Lin. Ft. 15 inch Pipe (Concrete or Vitrified).

100 Lin. Ft. 18 inch Pipe (Concrete or Vitrified).

200 Lin. Ft. 21 inch Pipe (Concrete or Vitrified).

800 Lin. Ft. 24 inch Pipe (Concrete or Vitrified).

500 Lin. Ft. 30 inch pipe (Concrete).

Proposals must be submitted on regular forms accompanying the specifications and must be accompanied by a certified check or bidder's bond for two thousand (\$2000) Dollars, payable to the City of Cartersville, Georgia.

Plans and specifications are on file at the office of Thos. A. Upshaw, City Clerk, at Cartersville, Ga., and copies of the specifications may be secured from Knox T. Thomas, Engineer, upon payment of Five (\$5.00) Dollars.

All bids shall be made and received under the terms of the Cartersville Paving Act, passed by the General Assembly of Georgia, of 1924, and under the provisions of all resolutions passed by the Board of Aldermen of the City of Cartersville, in pursuance thereof.

The right is reserved to reject any or all bids, and to waive all formalities, and to accept any bid that the interest of the City of Cartersville may require.

H. C. NELSON, Mayor,  
CARTERSVILLE, Ga.  
KNOX T. THOMAS, Engineer,  
308 Wynne-Claughton Bldg., Atlanta, Ga.

Bids close June 11, 1925.

### Water-Works Improvements

Marion, Ky.

Sealed proposals will be received by the Mayor and Board of Public Works of the City of Marion, Ky., up to 7 P. M. June 11, 1925, and then opened and publicly read, for the following water works improvements:

For furnishing on board cars at Marion, Ky.

2904 lin. ft. 8 in. Class B. or deLauvaud Cast Iron Pipe;

12902 lin. ft. 6 in. Class B. or deLauvaud Cast Iron Pipe;

5064 lin. ft. 4 in. Class B. or deLauvaud Cast Iron Pipe.

19166 lbs. Special Castings.

20000 lbs. Calking Lead.

40 Fire Hydrants.

31 Valves.

31 Valve Boxes.

For furnishing complete including foundations:—  
1—150,000 gal. steel water tank on a 116 ft. tower.

Alternate, 1—100,000 gal. steel water tank on a 116 ft. tower.

For furnishing all tools and labor, and hauling from cars and laying complete the aforementioned cast iron pipe.

All bids must be accompanied by a certified check for not less than five per cent of the amount of bid, drawn to the order of City Treasurer of Marion, Ky. Checks of unsuccessful bidders will be returned within two weeks after bids are opened and read.

Map of distribution system and specifications may be obtained from the engineer upon the receipt of one dollar to pay actual cost of printing and postage.

An approved contract bond in the sum of the full amount of the contract will be required of each contractor, except in the case of materials furnished by responsible manufacturers.

The right is reserved to reject any or all bids or to award contracts either in whole or in parts.

Bids for pumping equipment and drilling well will be received at a later date.

M. N. BOSTON, Mayor,  
A. C. MOORE, Chairman,  
Board of Public Works.

H. K. BELL, Engineer,  
418 Hernando Building,  
Lexington, Kentucky.

Bids close July 1, 1925.

### Water-Works, Sanitary Sewers and Street Improvements

Sealed proposals will be received by the Board of Bond Trustees of the City of DeLand, Florida, at the City Hall for furnishing material and constructing water works improvements, sanitary and storm sewer systems, and street improvements in and for the City of DeLand, Florida, until 2:30 P. M., July 1, 1925, at which time they will be opened and read publicly.

The work includes the furnishing of all labor, material, machinery and equipment of every kind necessary to construct approximately 140,000 square yards of brick, concrete or bituminous pavements with necessary curb, gutter and appurtenances, approximately three miles of storm drains and drain wells, 12 to 36 inches, with accessories. Approximately 8½ miles of sanitary sewers, 6 to 12 inches with accessories, one settling tank, one sewage pumping station. Approximately 9½ miles 6 to 10 inch water mains with specials, deep well pumps and pump house, deep wells and tower and tank, all complete and in accordance with plans and specifications on file at the office of the Engineers and the City Clerk.

Each bid must be accompanied by a certified check on a bank satisfactory to the Bond Trustees, or Bidders' bond acceptable to the Bond Trustees, for five (5) per cent of the amount bid, drawn to the order of the City of DeLand, Florida.

A bond in the sum of twenty-five (25) per cent of the amount of the contract with satisfactory surety executed through DeLand Florida Agency, will be required for the faithful performance of the work.

All bids must be compared on the basis of the Engineers' estimate of the work to be done.

Copies of specifications may be obtained from the Engineers upon receipt of deposit of Five (\$5.00) Dollars which will be returned to bona fide bidders.

Plans may be seen at the office of the Engineer at DeLand, or Atlanta, Georgia, or at the City Hall. Copies of plans may be obtained on payment of Twenty-five (\$25.00) Dollars.

The right is reserved to reject any or all bids.

This 22nd day of May, 1925.

CITY OF DELAND, FLORIDA,

E. R. CONRAD,  
G. A. DREKA,  
V. M. FOUNTAIN,

Bond Trustees.

J. B. McCRARY ENGINEERING  
CORPORATION,  
Engineers.  
Atlanta—Georgia.

Bids close June 8, 1925.

### Water-Works Improvements

Okeechobee, Fla.

Sealed proposals will be received by the Mayor and Council of the City of Okeechobee, Florida, at the City Hall in Okeechobee until 2 o'clock P. M. on the eighth day of June, 1925, and there opened and read in public, for the following water-works extension improvements:

Furnishing materials, labor and construction complete of the following:

Lake Intake and Submerged Pipe Line, 3500 lin. ft., 14-inch dia.

One m.g.d. Filtration Plant and Pumping Station.

Force Main, 12,500 lin. ft., 12-inch dia.

One Elevated, Structural Steel Water Storage Tank of 250,000 gallons capacity.

Furnishing materials and equipment complete, f. o. b. Okeechobee:

One (1) 12-inch Venturi Meter with Indicator Recorder.

Two (2) 6-inch Rate of Flow Controllers, Filter Equipment.

Six (6) 12-inch Hydraulic Lift Gate Valves, Filter Equipment.

Two (2) 6-inch Hydraulic Lift Gate Valves, Filter Equipment.

Furnishing materials and Pumping Station Equipment complete, f. o. b. Okeechobee:

Two (2) 1000 g.p.m. Intake Pumps and Motors or other drive, complete with Starting and Control Equipment.

One (1) 350 g.p.m. Service Pump and Motor or other drive, complete with Starting and Control Equipment.

One (1) 750 g.p.m. Service Pump and Motor or other drive, complete with Starting and Control Equipment.

Bids will be received on the whole or on an indicated division of the work.

All bids must be on the blank forms included with specifications and obtainable from the Engineer.

Plans and specifications may be examined at the office of the Engineer in Okeechobee, Florida. Copies of the same may be obtained from the Engineer by remitting \$25, of which \$15 will be returned if plans are returned to the Engineer in good condition not later than June 15.

Each bid must be accompanied by a certified check for an amount not less than 5% of the amount bid, drawn to the order of the President of the Council, City of Okeechobee. Checks of unsuccessful bidders to be returned in two weeks after bids are opened.

An approved contract bond in the sum of the amount of the contract price will be required on each contract let, except in the case of materials furnished by responsible manufacturers.

The right is reserved to reject any or all bids, or to award contracts in whole or in part to the best interest of the city.

H. H. DeYARMAN,  
President of Council.

R. P. FLETCHER, Clerk.

F. E. LAWRENCE, Engineer,  
Okeechobee, Florida.

Bids close June 30, 1925.

## Concrete Reservoir

Macon, Ga.

Sealed proposals, addressed to the Board of Water Commissioners, City Hall, Macon, Ga., and endorsed "Proposal for Constructing Southside Reservoir," will be received at the office of the Board until 12 o'clock noon, Eastern Standard time, on June 30, 1925, and at that time and place will be publicly opened and read.

Plans and specifications may be obtained from the Secretary of the Board upon deposit of twenty-five dollars (\$25.00) for each set. Deposits will be refunded provided the plans and specifications are returned in good order within 30 days after the award of the contract. Plans and specifications may also be seen at the office of Fuller & McClintock, Engineers, 170 Broadway, New York.

The work comprises the construction of a three-million-gallon covered reservoir of concrete masonry, with valves and piping. The principal quantities are 2750 cu. yds. of reinforced concrete and 5800 cu. yds. of excavation.

Each proposal must be accompanied by a certified check in the sum of Five Thousand Dollars (\$5000).

The Board reserves the right to reject any or all bids.

THE BOARD OF WATER COMMISSIONERS OF THE CITY OF MACON, GA.,  
JNO. L. ANDERSON, Chairman.

Bids close June 10, 1925.

## Sewer Construction

DEPARTMENT OF PUBLIC IMPROVEMENTS  
SUB-DEPARTMENT OF HIGHWAYS  
ENGINEER.

Baltimore, Md., May 27, 1925. Sealed bids or proposals, in duplicate, addressed to the Board of Awards, in care of the City Register, City Hall, Baltimore, Md., for constructing lateral sanitary sewers in Sewer District H-6-2 in the City of Baltimore, as embraced in Sanitary Contract No. 218, and shown on plans on file in the office of the Highways Engineer, will be received at the office of the City Register, City Hall, Baltimore, Md., until Wednesday, June 10, 1925, at eleven o'clock, A. M., at which time they will be publicly opened by the Board of Awards and read.

Each bid must be accompanied by a certified check of the bidder on a clearing-house bank, drawn to the order of the Mayor and City Council of Baltimore, in the amount of Two Thousand Two Hundred Dollars (\$2200).

Bond in the amount of the contract price will be required of the successful bidder. The Board of Awards reserves the right to reject any or all bids.

This work comprises approximately:

**80,300 linear feet of 8 in. vitrified pipe sewer;**

**11,900 linear feet of 6 in. and 5 in. vitrified pipe house connections;**

**1100 vertical feet of standard manholes.**

Plans, specifications and bidding form may be obtained at the office of the Highways Engineer, Room 10 City Hall, Baltimore, Md., upon deposit of Five Dollars (\$5.00), which deposit will be refunded only if the plans and General Specifications, in case a bid is submitted, or the plans, General Specifications and Special Specifications, in case no bid is submitted, are returned to the office of the Highways Engineer in good condition on or before the time set for opening the bids.

BERNARD L. CROZIER,  
Highways Engineer.  
STUART PURCELL,  
Chief Engineer.

Approved:  
HOWARD W. JACKSON,  
President, Board of Awards.  
GEORGE E. KIEFFNER,  
Assistant City Solicitor.

Bids close June 16, 1925.

## Sewers

Salisbury, Md., May 9, 1925. Sealed bids or proposals addressed to the Salisbury Water and Sewer Commission and marked "Bids for Constructing Sanitary Sewers, Contract No. 6," will be received at the office of the Commission, Salisbury, Maryland, until 11:00 A. M. Tuesday, June 16th, 1925, at which place and time they will be publicly opened and read.

Plans and specifications may be obtained at the office of the Chief Engineer, Salisbury Water and Sewer Commission, Salisbury, Maryland. A charge of fifteen dollars (\$15.00) will be made for each set of plans and specifications. This amount will be refunded upon the return of these plans and specifications in good condition; but this charge will not be refunded unless the plans and specifications are returned to the Chief Engineer on or before the date of opening bids.

The principal approximate quantities involved are as follows:

10,385 lin. ft. 18" to 27" Vit. or Conc.

Pipe Sewers;

500 lin. ft. 24" Reinforced Concrete Pipe

Sewers;

5370 lin. ft. 10" to 15" Vitrified Pipe

Sewers;

8895 lin. ft. 6" Vitrified Pipe House Con-

nections;

63 Manholes, 807 lin. ft.;

13 tons Cast Iron Pipe Sewers.

A certified check of the bidder on a responsible banking institution, made payable to The Salisbury Water and Sewer Commission for the sum of Five Thousand Dollars (\$5,000) will be required with bid.

The Commission reserves the right to reject any and all bids.

FRANCIS H. DRYDEN,  
Chief Engineer.

Approved:  
CHARLES E. HARPER, Chairman.

Bids close June 8, 1925.

## Sewers and Appurtenances

Towson, Md., May 12th, 1925.

Sealed proposals addressed to the County Commissioners of Baltimore County and endorsed bids for the laying of Sewers and Appurtenances thereto, in Towson, Stoneleigh, Anneslie and Idlewylde, will be received at their office in the Court House, Towson, Md., until 11:00 A. M., Eastern standard time, on June 8th, next, when they will be publicly opened and read.

Proposal No. 4-S

Approximate Quantities.

12,685 Linear Feet 6-inch T. C. Sewer

23,720 Linear Feet 8-inch T. C. Sewer

215 Linear Feet 10-inch T. C. Sewer

19,735 Linear Feet 6-inch T. C. House

Connection

133 Linear Feet Manholes

4,000 Cubic Yards Rock Excavation

600 Linear Feet 4-inch Tile Underdrain

1,500 Linear Feet 6-inch Tile Underdrain

443 Y-Branches on 6-inch pipe

680 Y-Branches on 8-inch pipe

2 Y-Branches on 10-inch pipe

185 Cubic Yards, miscellaneous and test

pit earth excavation;

500 Cubic Yards, earth excavation and

refill below subgrade;

100 Cubic Yards, earth excavation and

gravel refill below subgrade.

Each bid must be accompanied by a certified check for Three Thousand (\$3,000) Dollars, payable to the County Commissioners, as a guarantee that the successful bidder will sign the contract.

A bond for an amount equal to the amount of the bid of a Surety Company, satisfactory to the Commissioners, will be required of the successful bidder.

A copy of the specifications, plans and drawings will be furnished prospective bidders on receipt of a certified check for Twenty-Five (\$25.00) Dollars, refund of which will only be made on receipt of a bona fide bid and the return of the plans and specifications to the office of the Chief Engineer within ten (10) days after the award of the contract. No specifications or plans will be issued after Wednesday, June 3. Specifications and drawings can be seen at the office of the Chief Engineer of the Baltimore County Metropolitan District, Towson, Md., after Monday, May 18th.

Consideration will be given bidders' experience (must be stated in or attached to the bid), financial standing and reputation for having done successful work without controversy or litigation and the Commissioners reserve the right to reject any or all proposals or bids, or to accept any proposal or bid, or to waive technicalities as they may deem best for the interest of the County.

By Order of the Board.

JOHN B. HAUT, Chief Clerk.

A. E. WALDEN, Chief Engineer.

Bids close June 22, 1925.

## Sewers and Appurtenances

Towson, Md., May 26, 1925.

Sealed proposals addressed to the County Commissioners of Baltimore County and endorsed bids for the laying of Sewers and Appurtenances thereto in Catonsville, Md., will be received at their office in the Court House, Towson, Md., until 11 A. M. Eastern Standard time, on June 22 next, when they will be publicly opened and read.

PROPOSAL No. 5-S.

Approximate quantities.

7,430 Linear Feet 6-inch T. C. Sewer.

24,315 Linear Feet 8-inch T. C. Sewer.

2,675 Linear Feet 10-inch T. C. Sewer.

4,235 Linear Feet 15-inch T. C. Sewer.

665 Linear Feet 18-inch T. C. Sewer.

20,070 Linear Feet 6-inch T. C. House

Connection.

122 Manholes.

2,900 Cubic Yards Rock Excavation.

500 Linear Feet 4-inch Tile Under-

drain.

1,500 Linear Feet 6-inch Tile Under-

drain.

250 Y-Branches on 6-inch Pipe.

705 Y-Branches on 8-inch Pipe.

50 Y-Branches on 10-inch Pipe.

45 Y-Branches on 15-inch Pipe.

6 Y-Branches on 18-inch Pipe.

185 Cubic Yards Miscellaneous and

Test Pit earth excavation.

100 Cubic Yards earth excavation and

refill below sub-grade.

200 Cubic Yards earth excavation and

gravel refill below sub-grade.

Each bid must be accompanied by a certified check for Three Thousand (\$3000) Dollars, payable to the County Commissioners, as a guarantee that the successful bidder will sign the contract.

A bond for an amount equal to the amount of the bid of a surety company satisfactory to the Commissioners will be required of the successful bidder.

A copy of the specifications, plans and drawings will be furnished prospective bidders on receipt of a certified check for Twenty-Five (\$25.00) Dollars, which will not be refunded. No specifications or plans will be issued after Wednesday, June 17. Specifications and drawings can be seen at the office of the Chief Engineer of the Baltimore County Metropolitan District, Towson, Md., after Monday, June 1, 1925.

Consideration will be given bidders' experience (must be stated in or attached to the bid), financial standing and reputation for having done successful work without controversy or litigation, and the Commissioners reserve the right to reject any or all proposals or bids, or to accept any proposal or bid, or to waive technicalities as they may deem best for the interest of the county.

By order of the Board.

JOHN R. HAUT, Chief Clerk.

A. E. WALDEN, Chief Engineer.

## Warehouse

Proposals are desired on a 200-ft. by 200-ft. Steel Warehouse about 12-ft. wall roof spans 50-ft. skylights and ventilators.

Address,

E. A. BURROW, County Engineer,  
Brady, Texas.

Bids close June 12, 1925.

## School Construction

May 25, 1925.

Bids will be received for the erection of a ten-room and auditorium and school building at Laurel, Maryland until eight P. M., Friday, June 12, the same to be opened at that time in the Laurel City Hall.

Plans and specifications may be obtained from R. E. Mitchell, Architect, Homer Building, Washington, D. C. Phone Cleveland 1526.

Right is reserved to reject any and all bids.

By order of Building Committee,

OGLE MARBURY, Chairman,  
Laurel, Maryland.

## PROPOSALS

## Manufacturers Record

Bids close June 4, 1925.

## Bulkhead Improvements

Lake Worth, Fla.

Sealed proposals will be received by the Clerk of the Town of Lake Worth, Florida, at the Town Hall up to 7:30 o'clock P. M. the 12th day of June, 1925, for bulkhead improvements as per plans and specifications on file. Bidding blanks may be received by making application to the City Engineer, accompanied by a deposit of \$5.00, which deposit will be returned upon surrender of the plans and specifications, or the papers may be examined at the office of the Town Clerk at Lake Worth, Florida.

This work will consist of approximately 8300 linear feet of bulkhead wall and 100 cubic yards of base concrete along the lake front. Bids will be received on both Gunite and Concrete Beam type of wall.

The town reserves the right to reject any or all bids or to waive irregularities.

Each bid must be accompanied by a certified check of Five Hundred Dollars (\$500), the check to be made payable to the order of the Treasurer of the Town of Lake Worth, Florida.

W. E. HUTSCHENREUTER,  
Town Clerk.

IVAN H. MANN, City Engineer.

Bids close June 15, 1925.

## Dredging and Filling

NOTICE IS HEREBY GIVEN, That the City Commission of the City of Leesburg, Florida, will receive sealed proposals for filling and dredging in Lake Harris until Eleven o'clock A. M. on the 15th day of June, A. D. 1925.

Proposals must be placed in sealed envelope, marked "Bid for dredging and filling in Lake Harris," and must be accompanied by certified check or surety company bond in the sum of One Thousand Dollars, payable to the City of Leesburg, Florida, as a guarantee that the bidder will enter into contract if his bid be accepted.

The City Commission reserves the right to reject any or all bids received and to accept any bid, subject to the issuance and sale of bonds for the work contemplated.

Specifications, maps and further information will be furnished upon request to W. E. Harkness, City Clerk, Leesburg, Florida, accompanied by a check for Five Dollars.

C. B. GAMBLE,  
Acting Mayor-Commissioner,  
City of Leesburg, Florida.

Attest: W. E. HARKNESS, City Clerk.

Bids close June 18, 1925.

## Generating Set, Crane, Etc.

Vero Beach, Fla.

Bids will be received by the City of Vero Beach, Florida, until June 18, 1925, for 750 horsepower Diesel Engine Generator and Switchboard; also for five-ton overhead electric crane.

City reserves the right to reject any and all bids.

H. G. REDSTONE,  
CARTER AND DAMEROW,  
Engineers.

City Clerk.

Bids close June 24, 1925.

## Pipe Line, Dam and Reservoir

Greenville, S. C.

Sealed proposals will be received by the Water Commission of the City of Greenville, South Carolina, until 2 o'clock P. M. Wednesday, June 24, 1925, for furnishing and laying a 30-inch gravity pipe line of Cast Iron, Lock Joint Reinforced Concrete, or Lock Bar Steel 18 miles long. Also a 24-inch line 8000 feet long. Also a spread and rolled earth, or a cyclopean concrete dam 760 feet top length with maximum height 140 feet; content of earth dam approximately 600,000 cubic yards and of concrete dam 71,500 cubic yards.

Plans, specifications and profiles will be on file and may be seen at the office of The Ludlow Engineers, Winston-Salem, N. C., and at the office of the Water Works Superintendent, Greenville, S. C., after May 25. Specifications, bid blank, contract form, etc., may be obtained from the Engineers.

For the convenience of prospective bidders full sets of blueprint copies of the plans and profiles will be furnished by the Engineers upon receipt of \$10 (which will not be refunded) to cover the cost of printing, binding and mailing.

Each bid shall be accompanied by a certified check or bid bond in the sum of approximately 5% of the amount of the bid, payable to the Treasurer of the Water Commission.

Proposals will be opened publicly with the usual rights reserved.

H. W. PERRY, Supt.  
J. L. LUDLOW, Consulting Engineer,  
Winston-Salem, N. C.

Bids close June 15, 1925.

## Suction Dredge

Sanford, Fla.

Sealed proposals will be received by the City Commission of Sanford, Florida, at their office in the City Hall at or before 3 P. M. June 15th, 1925, for the purchase of a 10-inch Suction dredge or larger, delivered complete and ready for operation at Sanford, Florida.

Proposals are to be presented in a sealed envelope endorsed on the outside, "Bid for Suction Dredge" and the name of the bidder.

Each proposal must be accompanied by a certified check for \$500, made payable at sight to the order of the City Auditor and Clerk of Sanford, Florida. Payment to be made after satisfactory test of ten days has been made.

The City Commission reserves the right to reject any or all bids or to accept any bid they deem to be for the best interest of the City.

W. B. WILLIAMS,  
City Manager.

Bids close June 9, 1925.

## Bridge Material

Bastrop, La.

Sealed proposals will be received by the Police Jury of Morehouse Parish at Bastrop, La., up to 10 A. M. June 9, 1925 for the furnishing of creosoted and untreated bridge lumber and piling to be delivered at Beekman and Gallion, La., on the A. & L. M. and the Missouri Pacific Railroads, respectively, at which time and place said proposals will be publicly opened and read.

## APPROXIMATE QUANTITIES

Project No. 7-B, Beekman delivery. Creosoted lumber 36,000 ft. BM. Untreated lumber 26,000 ft. BM. Creosoted piling 4000 lin. ft.

Project No. 17-B, Gallion delivery. Creosoted lumber 43,000 ft. BM. Untreated lumber 30,000 ft. BM. Creosoted piling 4800 lin. ft.

Information as to class of material, terms of payment, regulations governing manner of submitting proposals and executing contract, may, on application, be obtained at the office of the Parish Engineer, Bastrop, La.

J. LESTER WHITE,  
Parish Engineer.

J. W. BRODNAX,  
President Police Jury.

## CLASSIFIED OPPORTUNITIES

## MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES

## NORTHWEST GEORGIA.

The scene of the next great industrial development in Georgia. Electric power available. Large power plants under construction.

For industrial sites; pine and hardwood timber; brick shales; clays, large or small water powers; farms in a prosperous section. Write, with detail, as to your requirements.

C. E. VANCE, Calhoun, Ga.

## MANGANESE

MANGANESE—260 acres, half mile of river and R. R.—situated in Rockingham County, Va., high grade of ore. Has yielded 6000 tons the acre; we challenge inspection. For full description and references write Box 107, Fairfax, Va.

## SILICA DEPOSIT

FOR SALE—Unlimited deposit of Silica, 99% without being washed. Fully developed, operated for several years. Loaded by gravity on Southern Railroad, fifteen miles from Bristol, Va.-Tenn. Air compressor drills and other machinery operated by water power. Address A. D. Reynold owner, Bristol, Tenn.

## RATES AND CONDITIONS

Rate 30 cents per line per insertion. Minimum space accepted, four lines. In estimating the cost allow seven words of ordinary length to a line. When the advertisement contains a number of long words proper allowance should be made. Terms: Invariably cash with order; check, postoffice or express order or stamps accepted. No display type used. Questionable or undesirable advertisements will not be accepted. The assistance of our readers in excluding undesirable advertisements is requested. We reserve the right to refuse any advertisement. No patent medicine, oil or mining stock advertisement accepted. Rate for special contracts covering space used as desired within one year as follows 100 lines, 28c per line; 300 lines, 26c per line; 500 lines or more, 25c per line.

## MINERAL AND TIMBER PROPERTIES WANTED

## WANTED.

TO HEAR from parties having mineral properties for sale.

UNITED MINERALS CO., Roanoke, Va.

## TIMBER AND TIMBER LAND

I HAVE FOR SALE some large tracts of timbered and cutover lands. Wire me for particulars. W. B. LUKE & COMPANY, Kissimmee, Fla.

## MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES

## TIMBER AND TIMBER LAND

FOR SALE—Timber lands, cut-over lands, especially suitable for colonizing, ranching or subdivision, located Alabama and Florida. H. H. WEFEL, JR., Mobile, Alabama.

## PECANS

RESERVE next Winter's requirements for deliciously flavoured Texas Pecans—Price range will be around 35c delivered in 10 lb. lots up. 22 recipes for pecan candies and dishes—all delicious and free—Perfection Nut Cracker, \$1.00. Postal card will do. Kingsbury, 714 Gunter Building, San Antonio, Texas.

## FARM, FRUIT AND TRUCK LANDS

## FLORIDA

## TWENTY ACRES AND PLENTY.

Free book tells truth about Florida land; monthly payments \$1 an acre. Orange groves, planted, cared for 10 per cent above cost.

SYLVESTER E. WILSON,  
Dept X, Orlando, Fla.

## FARM, FRUIT AND TRUCK LANDS

## FLORIDA

S. J. OVERSTREET, Realtor  
Walker Apartment Building,  
Titusville, Florida.  
City Property. Farms. Groves. Acreage.  
Nothing but Real Estate.

FLORIDA—The Land of Flowers; no state income or inheritance taxes ever. TAMPA—Florida's Largest City, 1925 States Census. Send today for Booklet and List of Investments, Homes, Groves and Farms. Tampa-West Coast Realty Co. Inc., Opp. Postoffice, "Since before the War," Tampa, Florida.

## FLORIDA INVESTMENTS

## MANATEE COUNTY

The county that stands 7th in production of fruit and vegetables in the U. S. A solid foundation back of your investments—Farm Lands—Business Properties—Lots or Acreage for Subdivisions. Full information on request—we can buy for you and we can resell for profit. References: Bradenton Bank & Trust Co. MANATEE LAND SALES CO., Bradenton, Fla.

YOU CAN ALWAYS RELY ON A REALTOR  
LOVELAND & TANNER,  
REALTORS,  
PALATKA, FLORIDA.

Specializing in acreage, investments and industrial locations in Putnam County, Florida. Preferential freight rates, 3 railroads and St. John's River steamers to New York. Ask for booklet.

FOR SALE—Fifteen (15) acres located in city of Vero Beach; ten (10) acres bearing grove and five (5) acres cleared. This is suitable for subdivision and will have paved road past in the next few weeks. Also a modern six-room house and a six (6) inch flowing well. Price \$15,000, one-third down, balance one, two and three years. Write or wire a binder subject to your inspection to Hoyt E. Morris & Company, Vero Beach, Fla.

FLORIDA INVESTMENT—10,000 acres, solid body, in Jackson County (the oldest Agricultural County in Florida), fine lands, high and dry, some farms, houses, etc. Railroad, roads and beautiful clear river through lands—seven miles from County Seat—splendid townsite location—Price \$20.00 per acre. Terms \$50,000 cash. Balance one, two and three years at 6%. Address, Theodore R. Jones, Owner, 306 Smith Building, Orlando, Florida.

GREATEST LAND BUY IN FLORIDA.  
Fifteen Thousand Acres in South Florida in a solid body, with six miles frontage on large and beautiful lake.

Direct water connection to Atlantic Ocean and Gulf of Mexico.

Near several up and going towns. Fertile, dark loam soil, adapted to production of celery, lettuce, cucumbers, Irish potatoes, sugar cane, bananas, etc.

Game in abundance, such as deer, turkey, duck, squirrel, quail and snipe.

Finest bass fishing in the state.

A sportsman's paradise, with great possibilities for future development. A good investment at \$14 per acre.

J. E. CRAWFORD,  
1001 State Bank Building, Orlando, Florida.

## OPPORTUNITIES IN FLORIDA LAND.

We own 60,000 acres of valuable land in the Ridge Country of Florida which we are prepared to sell in two hundred-acre units or more.

This property is situated near the towns of Avon Park and Sebring, and would make a most valuable investment.

Florida lands are increasing in value right along and this tract offers unusual opportunity.

Write or wire for complete information.

BRIDGES CATTLE COMPANY  
PENN-FLORIDA CATTLE COMPANY  
Avon Park, Fla. Sebring, Fla.

## FARM, FRUIT AND TRUCK LANDS

## FLORIDA

SARASOTA, FLORIDA.  
Attractive offerings in Acreage Tracts and Lots in Sarasota and Suburbs.  
For further information address  
DEAN-TYLER COMPANY, INC.,  
REALTORS.

SEE MR. FOSTER—Listings wanted direct from owners of acreage, colonization and timber tracts, Indian River and ocean frontage. We have numerous clients and have inquiries for all kinds of Florida land. P. J. Sexton, Melbourne, Florida.

FLORIDA INVESTMENTS — Acreage tracts, timber tracts, subdivisions and hotel sites, any section in Florida. Some bargains with quick turnovers and large profits on small investments assured; 25 years' experience. ASK ANYBODY. N. D. SUTTLES & COMPANY, Jacksonville and West Palm Beach, Fla.

## FLORIDA ACREAGE

## A MESSAGE TO YOU

If you are not already acquainted with Real Estate activity in Florida, take our advice and investigate, then invest your money and get your share of the huge profits that are being made in Florida lands.

A tremendous boom is forthcoming on the West Coast of Florida, millionaires from all parts of the U. S. are investing there and spending millions of dollars in developments.

This is your opportunity to GET IN ON THE GROUND FLOOR.

We are offering some very excellent propositions at prices that will show large returns on your investments, let us explain to you.

We have personally inspected the lands we are now offering for sale and have every confidence in stating that we have some of the finest propositions to be found in Florida to-day.

3000 acres at the head of Charlotte Harbour, with 3 miles frontage on the Miakka River, surrounded by millions of dollars worth of developments, Price \$260 per acre.

Townships and half townships of high land, finest farming land, Sarasota County, from \$20 per acre.

Tracts of 50,000 to 450,000 acres at prices of \$5 and up per acre.

Write us for full information regarding these unsurpassed investments.

Carroll & Webb "Park View Apartments"  
241 N. W. 3rd St., Miami, Fla.

ARE YOUR EYES WIDE OPEN  
AND YOU STILL SOUND ASLEEP

ON MIAMI AND ITS ENVIRONS

THE FASTEST-GROWING CITY  
ON GOD'S GREEN FOOTSTOOL.

AWAKE, YE SLUMBERING ONES  
IN ALL WALKS OF LIFE!  
MIAMI IS CALLING YOU NOW  
IN OPPORTUNITY'S GOLDEN VOICE.

BUY IN OR NEAR MIAMI—BUY NOW!  
PARKED THINK-MOTORS WON'T ACT.

A. A. WHITE & CO.,

"Realty Service Built on Sincerity,"

27 S. E. FIRST AVENUE,  
MIAMI, FLORIDA.

## FARM, FRUIT AND TRUCK LANDS

## MISSISSIPPI

MISSISSIPPI GULFCOAST  
This coast is growing by leaps and bounds, and property values are increasing over night.

I have a number of mighty good buys, among them:

A 400 acre tract 3 miles north of Pass Christian, more than a half mile frontage on Wolf River, 8-room house, pecan grove and flowing artesian well on property. One of the most beautiful spots in America, splendid shell roads through the property. Price \$50,000.00.

Write for illustrated booklet and any other information you desire on this coast. Have been in the real estate business here for the past 19 years and know this coast.

B. C. COX  
Gulfport, Mississippi.

## BUSINESS OPPORTUNITIES

FOR SALE—Land containing Ball and Sagger Clays, in the famous Clay Belt of Western Kentucky. Will sell entire holdings or half interest.

W. J. Watkins, Mayfield, Ky.

CAPITAL WANTED—To develop townsite; on 640 acres that two railroads and state highways cross on in S. E. Okla., surrounded by coal, oil, gas and farming. J. E. Cavanagh, McAlester, Okla.

YOUR IDEAS DEVELOPED. Mechanical drawing; difficult designs; new products for factories, industrial plants and utilities; valuations and reports for investors. Write Baskerville Engineers, 807 Farley Building Birmingham, Ala.

I SPECIALIZE in industrial, warehouse and business sites at and adjacent to Washington, D. C.

M. B. HARLOW,  
Harlow Building, Colorado Building,  
Alexandria, Va. Washington, D. C.

AUTOMOBILE DEALERS and service stations, we have proposition netting you 100%, guaranteed. Communicate with Standard Cold Patch Co., 132 East Eighth street, Jacksonville, Fla.

SPECIALTIES WANTED—An old established Baltimore manufacturing business, valves, gas regulating devices, heat treating devices, doing an international business with foundries, machine shops, railroads and contractors, is open to take over the manufacturing and selling of established articles or new devices having merit. Address No. 6464, care Manufacturers Record, Baltimore, Md.

## PATENTS

FURNITURE MANUFACTURERS, take notice. I have a patent (No. 1526399, Canadian Serial Number 297140) on a sheet-metal lined, moth-proof clothes cabinet, having removable sections on top. Cut and description sent on request.

MRS. ALICE HEWETT, Wakonda, S. D.

## CHEMICALS

WE BUY FOR SPOT CASH Surplus and Odd Lots of Chemicals, Oils, Dyes, intermediates, solvents, gums, glues, waxes and any item of a chemical nature.

REPUBLIC CHEMICAL CORP.,

303 Pearl Street, New York, N. Y.

## INDUSTRIES WANTED

## DUNNANON, VIRGINIA.

Located on the C. C. & O. Railroad; direct route to the cotton fields and Clinch River, with a gravity flow of 36,000 gallons per minute at low-water mark. Limestone adjoining on the south side and coal adjoining on the north side. Rich and thickly settled farming.

THE HAGAN TRUSTEE SYNDICATE,  
Bristol, Va.

## INDUSTRIES WANTED

COOKEVILLE, TENNESSEE. offers exceptional opportunities to promoters of industrial enterprises interested in: Abundant hydro-electric power, city-owned and cheap. Unlimited water supply from mountain springs. Plenty of good labor. A city of homes, churches and educational facilities through college. A co-operative city and citizenship. If interested, address Secretary Lions' Club.

IRVINE, KENTUCKY, needs Shoe Factory, Textile Factory and Handle Factory. Can offer interested parties a factory site, five years' city tax exemption. Town has a population of over 5000; good water supply, abundant electric power from Kentucky Hydro-Electric Power Company; healthy climate; rail and water transportation facilities; good schools and churches; plenty of labor. For further information address A. M. Clark, care Farmers Bank & Trust Co.

Tyler, Texas.

"THE HEART OF EAST TEXAS."

A modern city of 16,000 population, with every convenience and comfort for healthful and contented living. Schools, churches and recreation that will please the most discriminating. First-class transportation facilities, good labor conditions, cheap electric power and a vast supply of timber should be of interest to wood-working manufacturers. Concise and dependable data will be furnished to interested persons on request. Material assistance will be given manufacturers who locate in Tyler. Tyler Chamber of Commerce, Tyler, Texas.

A BABY CITY—Frixburg, Virginia is one thousand acres on three railroads: the Southern, the Virginian and the Norfolk and Western Belt Line. It has been surveyed into a beautiful future city, and three manufacturing industries have recently been located here. Frixburg at present has no schools, no post office, no mayor, no chief-of-police, but is the home of Opportunity.

Plenty of clay for manufacturing "iron" brick, plenty of hardwood for furniture, plenty of other raw materials and cheap labor available, 97 Free Factory Sites. Brownlee Frix, McHerrin, Va., R. F. D.

## INDUSTRIAL PLANTS

If interested in buying  
A SOUTHERN COTTON MILL  
Write to  
F. C. ABBOTT & COMPANY,  
Charlotte, N. C.  
26 years' experience in Southern Mill Stocks.

FOR QUICK SALE 75 barrel flouring mill on railroad, located Murray, Kentucky. Large elevator, electric driven. Price \$9000.00, one-half cash. Owner out of town, wire or write.

A. L. RHODES, Murray, Kentucky.

FOR LEASE OR SALE—On Railroad and Waterfront—in Norfolk City, Factory Buildings—Brick—Sprinkled. Also lofts to let. Abundant help, cheap power. Favorable rail and water freight rates. Apply MYERS CORPORATION OF NORFOLK, VIRGINIA.

FOR SALE—Fine, modern sorting lumber yard. Also modern planing mill and flooring plant, including ample houses for employees; cheap labor and low freight rates, with an abundance of cheap, rough stock available; plant now in operation. For details apply to

THE WEST VIRGINIA TIMBER CO.,  
Orange, Va.

FOR RENT OR SALE. New three-story brick building, 50x92, with basement, electric elevator, steam heat, well lighted and ventilated. Fine location in a growing city, near freight station, suitable for jobbing or manufacturing business. Climatic and labor conditions good. Price right. J. E. Jamison, Box 855, Roanoke, Va.

## INDUSTRIAL PLANTS

FOR SALE OR RENT, First Class Woodworking plant and lumber yard, in Waynesboro, Va., town of 5000 people, with two trunk lines of railroad, over four hundred thousand dollars of Manufacturing Plants, business houses and residences being constructed at present. Also located at the Southern Gateway to the proposed National Park. Further particulars write

BOX NO. 585,  
Waynesboro, Va.

## FACTORY SITES

COTTON MILL LOCATION: 900 acres adjoining North Georgia town, 2 railroads, springs flowing 5 million gallons daily, cheap high power electric current. Local people will subscribe half million dollars toward project. Ingram Land Company, Birmingham, Ala.

## PATENT ATTORNEYS

PATENTS—Booklet free. Highest references. Best results. Promptness assured. Watson E. Coleman, Patent Lawyer, 644 St. N. W., Washington, D. C.

PATENT-SENSE—"The Book for Inventors and Manufacturers"—free on request. Lacey & Lacey, Patent and Trade-Mark Lawyers, 735 F St., Washington, D. C. Established 1869. Corporation references.

PATENTS—TRADEMARKS—COPYRIGHTS

Write for our free Guide Books and "RECORD OF INVENTION BLANK" before disclosing inventions. Send model or sketch and description of your invention for our Inspection and Instructions, free. Terms reasonable. Highest references. VICTOR J. EVANS & CO., 712 Ninth, Washington, D. C.

INVENTORS—Send sketch or model of your invention, for opinion concerning patentable nature, and exact cost of applying for Patent Book, "How to Obtain a Patent," sent free. Gives information on patent procedure and tells what every inventor should know. Established 25 years. Chandlee & Chandlee, 412 Seventh St. N. W., Washington, D. C.

## MANUFACTURERS AGENT

CALLING ON ARCHITECTS and Contractors to secure sales on newly-developed, high-grade commercial Kalamein Door, sold at prices on which large volume can be developed. No. 6433, care Manufacturers Record.

## AGENCIES WANTED

ENGINEERING SALES REPRESENTATION—Established Sales Engineering firm, of highest standing, in Houston, Texas, can handle two more major accounts. Same service as a branch office at less expense. Complete technical sales organization with warehouse and stock facilities where wanted. Clientele among railroads, public utilities, industrials, refineries, architects and builders. No. 6438, care Manufacturers Record.

CORRESPONDENCE is invited from sales engineers with established offices in Chicago, Cleveland, St. Louis, Cincinnati, Kansas City, Pittsburgh and New Orleans, competent to handle a high grade line of rotary pumps. Give outline of organization lines handled and territory covered. William E. Quimby, Inc., 209 Parkhurst Street, Newark, N. J.

## WE ARE PREPARED

to take over your entire sales in this territory, carry stock, act as your distributing center, finance and otherwise promote the sale of your product. Our 230-foot warehouse, located on railroad siding, equipped with electric cranes, prepared to handle any class of material. Would open New York office, if desired.

## POWER MACHINERY EXCHANGE, INC.

1 Montgomery Street,

Jersey City, N. J.

## SITUATIONS WANTED

ACCOUNTANT DESIRES permanent connection as auditor, credit manager or similar executive position. Fifteen years experience general accounting, cost accounting and tax work. Graduate LaSalle C. P. A. course. Excellent references. Address No. 6467, care Manufacturers Record.

## MEN WANTED

WANTED QUARRY SUPT., salary and commission \$4000 per year. Send full information. Address No. 6465, care Manufacturers Record, Baltimore, Md.

WANTED IMMEDIATELY two competent engineers for automatic sprinkler systems. Permanent employment. State experience and salary. Replies held in confidence. Dominion Automatic Sprinkler Corporation, 418 East Main Street, Richmond, Virginia.

SALES MEN WANTED—Our side-line men are making \$75 per week calling on druggists and retail trade; 90% develop into full-time salesmen. Our offer means a permanent connection for the right man with references. Address Jasmine Products Co., Hall street, Norfolk, Virginia.

SALARIED POSITIONS \$2500 to \$25,000 upward; executive, technical, administrative, engineering, manufacturing, professional, managing, financial, etc., all lines. If you are qualified and receptive to tentative offers for a new connection you are invited to communicate in strict confidence with the undersigned, who will conduct preliminary negotiations for such positions. A method is provided through which you may receive overtures in confidence, without jeopardizing present connections, and in a manner conforming strictly to professional ethics. Send name and address only; preliminary particulars will be sent without obligating or compromising you in any way. R. W. Bixby, Inc., 403 Lockwood Building, Buffalo, N. Y.

## PRINTING

1M HAMMERMILL Letterheads...	\$5.50
5M " "	14.00
1M Voucher Checks, on Safety Paper .....	13.50
10M Envelopes, size 6½ .....	17.50
Samples Gladly Furnished on Request.	
JOHN F. HARRIS COMPANY,	
666 Ouachita Avenue, Hot Springs, Ark.	

## HOTEL EQUIPMENT WANTED

WANTED—Prices and description for furniture and full equipment for 100 room hotel. Address No. 6462 care Manufacturers Record, Baltimore, Md.

## MACHINERY AND SUPPLIES

FOR SALE—A lot of tongue and groove molds for making concrete pipe, 15-18-24-30-36 in. diameter, all in first class condition and complete with pallets and headers. New Cambria Concrete Works, New Cambria, Mo.

FOR SALE—Woodworking machinery; complete outfit, consisting of rip and cross-cut saws, boring machines, jointers, planers, moulders, mortisers, tenoners, shapers and sanders; good condition; attractive prices. Write for particulars regarding your requirements. J. LEE HACKETT, 3-123 General Motors Building, Detroit, Mich.

MUST SELL AT ONCE—100 H. P. Water Tube B. & W. Boiler; 75 H. P. Skinner Engine direct connected to 50 K. W. Direct Generator; 12 H. P. Upright Engine connected 15 K. W. Generator. All in fine condition, good as new. Sell all or part. Inquiries solicited.

J. W. HOOGE, Treasurer,  
158 S. Water St., Mobile, Ala.

## MACHINERY AND SUPPLIES WANTED

WANTED—Veneer hog to handle green veneer. Must be large enough to take care of waste from one machine cutting ten thousand feet board measure per day. Do not want a shredder. Give full description, condition and price in first letter.

H. L. LAWTON & SONS, Lena, S. C.

# "I'll be bound"



THOUSANDS of copies of "Oxy-Acetylene Tips" can say this. This monthly magazine is saved and it is bound because the first number (August, 1922) is just as valuable for reference today as when it was published.

"Tips" is valued by every man from the president to the welder. It tells how to improve the work now being done. It suggests new welding and cutting operations. It points out economies. It is saved and bound because it aids in solving many problems.

## "Something useful in every number"

"I have received copies of your publication, 'Oxy-Acetylene Tips,'" writes a welding foreman, "and like it so well that I do not want to miss future issues. There is something useful in every number, even to a welder who has been in the business twelve years, like myself."

"Tips" is free to all Linde customers. Ask the nearest Linde District Office to send you this monthly magazine which has "something useful in every number." For smaller shops Linde publishes another magazine—"The Linde Owxelder." It's free, too.

### THE LINDE AIR PRODUCTS COMPANY

General Offices: Carbide & Carbon Building  
30 East 42d Street, New York

37 PLANTS — 80 WAREHOUSES  
22 DISTRICT SALES OFFICES

# LINDE OXYGEN

YOU CAN DEPEND ON THE LINDE COMPANY

# CONDITIONS HAVE CHANGED

## *Our User Concerns cover every line of business from A to Z*

Automobiles, Automobile Bodies, Service, Supplies, Awnings

Bags, Bakeries, Banks, Barrels, Baskets, Bearings, Beds, Bedding, Beverages, Bill Boards, Billiard Tables, Bleacheries, Boilers, Bookbinders, Bottles, Boxes, Brick, Bronze, Brushes

Candy, Carbide, Carburetors, Carpets, Caskets, Cement, Chairs, Chain Stores, Chemicals, Cleaners, Clothing, Clubs, Coal, Containers, Contractors, Conveyors, Cooperage, Cork, Corks, Cotton Goods, Crockery

Dairy Products, Department Stores, Drapery, Drills, Doors, Drugs

Electrical Equipment, Electrotypers, Enamels, Engineers, Engravers, Envelopes, Excelsior, Explosives

Felt Manufacturers, Fertilizers, Fibre Goods, Fire Arms, Flooring, Flour, Foundries, Foods, Fuel, Furniture

Galvanizers, Garages, Gas Manufacturers, Gears, Glass, Gloves, Grocers

Hair Goods, Hardware, Harness, Heating Equipment, Horseshoes, Hosiery, Hospital Supplies, Hotels

Ice Cream, Ice, Ignition Systems, Incubators, Iron, Insecticides

Labels, Lace, Lamps, Laundries, Leather Goods, Lime, Linoleum, Lithographers, Lubricators, Lumber

Macaroni, Machinery, Matches, Medicines, Metals, Meters, Milk Products, Mines, Millwork, Mirrors, Motorcycles, Multigraphs, Musical Instruments

Oils and Gasoline, Optical Goods, Organs, Overalls, Packers, Paints, Paper, Paving, Photo Supplies, Plows, Plumbing, Printers, Public Utilities, Pumps, Pulleys

Radiators, Radio, Railroads, Raincoats, Razors, Refrigerators, Restaurants

Safes, Sanitariums, Sash and Doors, Seats, Schools, Screens, Seeds, Ship Builders, Shirt Manufacturers, Shoes, Shovels, Show Cases, Signals, Signs, Sporting Goods, Stationery

Tailors, Tanneries, Tape, Taxis, Telephones, Textiles, Time Clocks, Tin, Tobacco, Toilet Articles, Tools, Towels, Toys, Trucks, Trucking

Underwear, Valves, Varnish, Veneers, Ventilating, Vulcanizers, Wall Board, Washing Machines, Waste, Watches, Wearing Apparel, Wheels, Wire, Woodenware, Woolens, Wrappings

Yarn Manufacturers

X-Ray Apparatus

Zinc.



Free-and-easy methods have given way to thoughtful operation, in which the "whys" and "hows" are considered.

Never before have American Business Executives thought as much about Elimination of Waste as they are doing today.

Waste is taboo.

Mechanical Processes have been checked for every possible improvement.

Now we realize that further Economies must be attained through the Human Factor.

Further Progress must come through profitable Management of Men.

No longer do we regard Waste as a necessary, unavoidable evil—we know that it can be largely avoided, prevented, or at least reduced.

This Burden of Responsibility falls upon Chief Executives and their Pivot Men—their Department Heads, Junior Officers, Foremen and other Group Leaders.

Pivot Men can, in fact, *must* stop Waste at the SOURCE.

Our Plan gets across those "whys" and "hows" that make for Profit.

## SETH SEIDERS INCORPORATED

General Offices  
155-165 E. Superior St.  
CHICAGO, ILL.

Eastern Sales Office  
250 W. 57th St.  
NEW YORK

